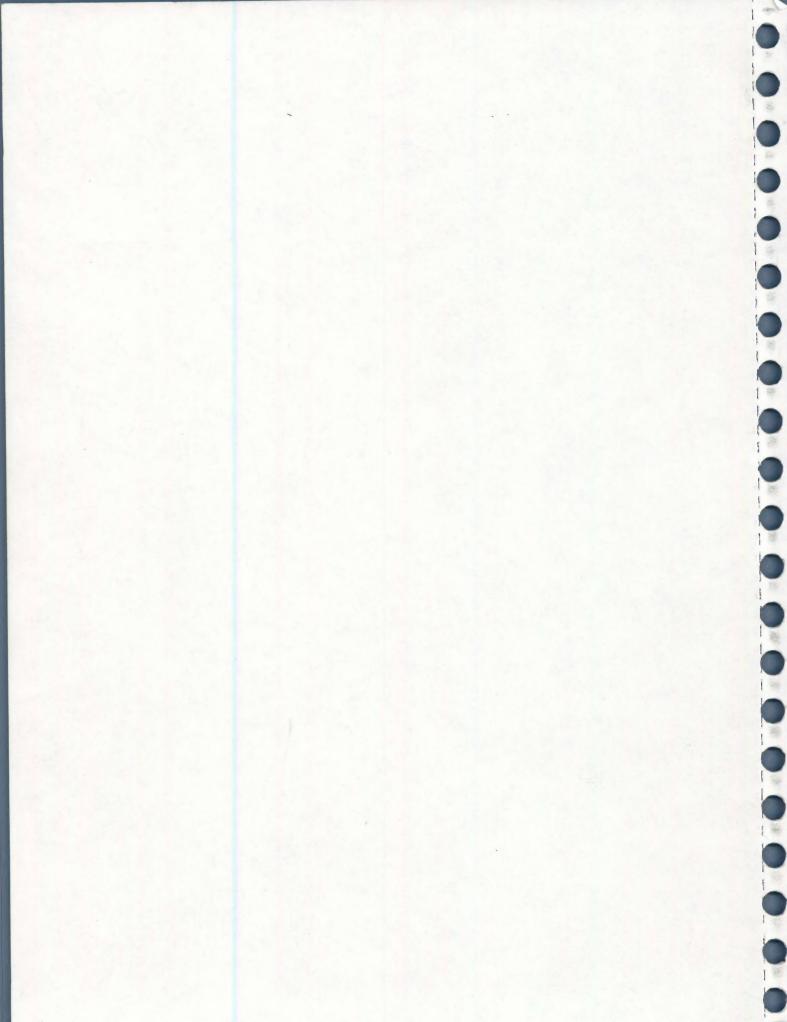
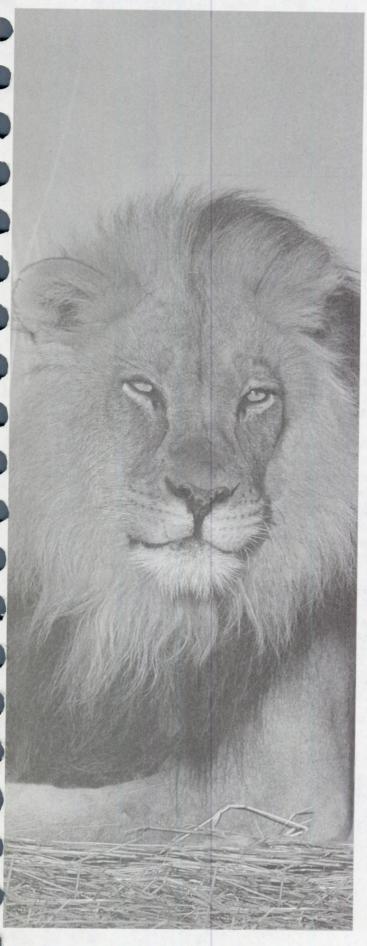




MISSOURI SOUTHERN STATE COLLEGE

CATALOG 2002-2004







# 2002-2004 Catalog

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This catalog is for information purposes and does not constitute a contract. Information on courses, fees, requirements and policies are subject to change.

### From the President

he ideal public college fulfills its mission by educating citizens of all ages and socioeconomic backgrounds. Missouri Southern State College is proud of the role it plays in the intellectual and personal growth of its diverse student body.



You will discover here one of the finest values in higher education anywhere, with quality academic programs, small classes, excellent and accessible professors, and reasonable cost.

Our curriculum combines a liberal arts foundation with a professional orientation and a strong commitment to the international aspects of education in order to prepare you for lifelong learning and a successful career in a rapidly changing and competitive world.

We invite you to come to our beautiful campus and visit with our faculty and staff so that you can experience true "Southern" hospitality and learn for yourself how Missouri Southern can prepare you for the 21st Century.

Julio S. Leon, President

Salio S. León

#### Dear Student,

If you're entering college for the first time, or even coming back after several years' absence, there is information in this catalog you'll need. It's not the most exciting bedtime reading, but it does pack a lot of information about our academic programs throughout your college experience.

This catalog and our helpful staff also can answer your more immediate questions:

#### 1. Can I get some financial help with college costs?

Yes, a full range of financial aid programs are available to qualified students. Mr. Jim Gilbert and his staff can provide you with information and applications in Hearnes Hall 114, 417.625.9325. (Financial Aid, page 45)

#### 2. I haven't decided on a major yet. What do I do?

Southern has trained counselors to help you discover what your best interests and attributes might be. Visit with Kelly Wilson, Hearnes Hall 115, 417.625.9324. (Student Support Center, page 20)

# 3. I'm concerned about the transition from high school to college. Is there someone to help?

The Student Support Center can help here too, as well as your College Orientation class. See Holley Goodnight, Hearnes Hall 115, 417.625.9324. (Orientation, page 21)

#### 4. Do you have an Honors Program?

Southern has an excellent and challenging Honors Program which includes a summer study option at Oxford University in England. Talk to Dr. Patricia Kluthe, Webster Hall 118, 417.625.9686. (Honors Program, page 40)

#### 5. What activities and organizations are available?

A host of special events, student activities and departmental organizations are available throughout the year. Drop by the Student Activities office, Billingsly Student Center 102, 417.625.9320. (Student Activities, page 22. See also individual departments.)



# **Our Mission**

issouri Southern State College is a state-supported, comprehensive college offering programs leading to the bachelor's degree. Faithful to its original statutory charter, the College also offers continuing education courses and a number of two-year programs in technical and vocational areas for the benefit of the community.

The College's primary emphasis is the offering of a baccalaureate program that fosters the total education of each student. Central to that mission is a strong commitment to international education, to the liberal arts, to professional and preprofessional programs, and to the complementary relationship that must exist between liberal and professional education in order to prepare individuals for success in careers and lifelong learning.

Inherent in its international approach to undergraduate education is the College's desire to prepare its students to understand world affairs, international issues and other cultures as seen through their history, geography, language, literature, philosophy, economics and politics. Knowledge and understanding of other cultures of the world also promote better understanding of our own valuable cultural diversity.

Missouri Southern's commitment to the liberal arts is reflected in a comprehensive program of general education requirements for all students to ensure that they have a breadth of educational experiences which will enable them to develop communication and critical thinking skills and to acquire and apply aesthetic, contemporary, civic, international, historical, mathematical, scientific and value-oriented perspectives.

The faculty and staff of Missouri Southern State College emphasize quality teaching and learning as the most important attributes of the College, complemented by scholarly and creative expression and dedicated community service. Community service involves responsiveness to the Southwest Missouri region as well as serving as the intellectual, creative and cultural center of the area.

In order to remain loyal to the trust given to the College by the people of the State of Missouri, Missouri Southern State College will:

- fulfill its mission and objectives in an honorable and ethical manner;
- periodically review its mission in light of contemporary changes in society and in the needs of the people of Missouri;
- continually assess the effectiveness of its programs in order to ensure their quality and integrity.

# **International Education**

n June 15, 1990 the Board of Regents of Missouri Southern State College approved a recommendation to pursue an international approach to undergraduate education.

The move to an international approach to our educational mission was prompted by a realization that the truly successful citizens of the 21st century will need much greater knowledge and awareness of the people, languages and cultures of other countries of the world if true communication among the world's citizens is to take place. Dramatic changes in the economic and political systems of Russia and Eastern European countries as well as challenges by Asian and European countries to American economic leadership made self-evident in the 1990s the need for a new kind of college education, one with a strong global perspective.

In July of 1995, Governor Mel Carnahan signed into law House Bill No. 442 in which Section 1 reads as follows: "The Missouri Southern State College located in Joplin, Jasper County, is hereby designated a moderately selective institution which shall provide programs which meet the needs of the citizens, businesses, and industries of its service area as defined in section 174.010, RSMo, as well as counties contiguous to Jasper County. The institution shall develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission."

Thus, with a stroke of a pen, the Governor of Missouri provided MSSC and its students a distinctive status among colleges and universities in Missouri. With it came the official state funding support for new, exciting initiatives that have enabled Missouri Southern State College to institute for its students daringly new international programs and activities to prepare them well for the challenges of this new century.

Missouri Southern State College has phased in different programs and activities designed to internationalize the college. Among these are:

- Infusing the entire college curriculum with a global perspective.
- Expanding the teaching of foreign languages to include new majors, new approaches, and new opportunities for language usage.
- Increasing opportunities for Missouri Southern students to study abroad for varying periods of time.
- Staging conferences and lectures on world affairs, and cultural and artistic programs with international performers as well as emphasizing one particular country or continent each year.
- Creation of dynamic majors in international studies and international business with uniquely designed courses.
- Increasing the participation of international students in campus activities.

Missouri Southern is beginning to receive national attention for its efforts in internationalizing the campus. The American Council on Education selected the College and seven other institutions from a pool of 57 applicants in October 2000 to participate in an 18-month project to document their internationalization strategies and design a self-assessment instrument that other institutions can use to document and expand their international capacity. Missouri Southern also was one of only four U.S. colleges or universities to receive a Certificate of Excellence for the 2001 Theodore M. Hesburgh Award for Faculty Development to Enhance Undergraduate Teaching and Learning. Missouri Southern's entry, entitled "Bringing the World to the Midwest," highlighted the College's international mission.

# A Student's Guide to the Baccalaureate Degree

Non Scholae Sed Vitae Discimus "Education not for a living, but for life."

We the faculty at Missouri Southern believe that you achieve a complete education through an interrelated program of study which includes the **Core Curriculum** and your **major**, as well as the extra-curricular opportunities that complete the total collegiate experience. We realize that over a lifetime many of you will change occupations and careers several times. While specialized knowledge in your field is essential, we believe that certain lifelong thinking and learning skills and a common body of knowledge are critical for an understanding of yourself and your larger community and for career advancement in the 21st-century market-place. Specifically, we are committed to assist you as an undergraduate to:

- Acquire knowledge, both in breadth and depth, through exposure to a wide variety of disciplines and through majoring in your chosen field.
- Communicate with precision and style and to think clearly and critically.
- · Achieve competence in quantitative skills.
- Know the methods of inquiry and thought necessary for understanding nature, society and self.
- Sharpen your awareness and appreciation of other cultures with their differing values, traditions and institutions.
- · Develop lasting intellectual and cultural interests.
- Learn more about yourself and demonstrate mature decision-making skills.
- Achieve greater social maturity and tolerance for human diversity through the experience of working closely with a wide variety of fellow students and faculty members.

#### Core Curriculum

The Core Curriculum at Missouri Southern is a carefully designed series of courses that all students earning a bachelor's degree must complete. It is our effort to furnish you a liberal education. But why? What about the Core is so important that it constitutes nearly half of the credit hours necessary for your degree?

One way to answer that question is to reflect on another: What does it mean to be well-educated? While the question has generated much debate and there is no simple answer, most agree that a well-educated person possesses certain fundamental intellectual skills, a broad knowledge of the world, and a deep knowledge of a particular subject. While pursuit of a major field of study furnishes knowledge in depth, it is the Core Curriculum that seeks to arm you with the intellectual skills and the breadth of knowledge that characterize well-educated individuals.

#### Goals of the Core Curriculum

The College accepts four intellectual skills as essential for well-educated people:

**Communicating:** Well-educated people develop effective use of the English language and quantitative and other symbolic systems essential to their success in school and in the world. Students should be able to read and listen critically and to write and speak with thoughtfulness, clarity, coherence, and persuasiveness.

**Higher-Order Thinking:** Well-educated people develop the ability to distinguish among opinions, facts, and inferences; to identify underlying or implicit assumptions; to make informed judgments; and to solve problems by applying evaluative standards.

Valuing: Well-educated people develop abilities to understand the moral and ethical values of a diverse society and to understand that many courses of action are guided by value judgments about the way things ought to be. Students should be able to make informed decisions through identifying personal values and the values of others and through understanding how such values develop. They should be able to analyze the ethical implications of choices made on the basis of these values.

Managing Information: Well-educated people develop abilities to locate, organize, store, retrieve, evaluate, synthesize, and annotate information from print, electronic, and other sources in preparation for solving problems and making informed decisions

The College accepts seven broad areas of knowledge as necessary for well-educated people to understand and function effectively in today's complex and changing world.

Social and Behavioral Sciences: Well-educated people develop an understanding of themselves and the world around them through study of content and the processes used by historians and social and behavioral scientists to discover, describe, explain, and predict human behavior and social systems. Students must understand the diversities and complexities of the cultural and social world, past and present, and come to an informed sense of self and others.

Humanities and Fine Arts: Well-educated people develop an understanding of the ways in which humans have addressed their condition through imaginative work in the humanities and fine arts. They deepen their understanding of how that imaginative process is informed and limited by social, cultural, linguistic, and historical circumstances; and to appreciate the world of the creative imagination as a form of knowledge.

**Mathematics:** Well-educated people develop an understanding of fundamental mathematical concepts and their applications. Students should develop a level of quantitative literacy that would enable them to make decisions and solve problems and which could serve as a basis for continued learning.

Life and Physical Sciences: Well-educated people develop an understanding of the principles and laboratory procedures of life and physical sciences and cultivate their abilities to apply the empirical methods of scientific inquiry. Students should understand how scientific discovery changes theoretical views of the world, informs our imaginations, and shapes human history. Students should also understand that science is shaped by historical and social contexts.

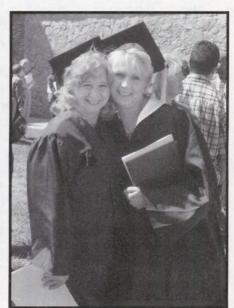
International Cultural Studies: Well-educated people develop an understanding of how cultures and societies around the world are formed, sustained, and evolve. Students should understand world affairs, international issues, and cultures other than their own as seen through the history, geography, language, literature, philosophy, economics, or politics of the cultures. Students will acquire empathy for the values and perspectives of cultures other than their own and an awareness of the international and multicultural influences in their own lives.

Health and Wellness: Well-educated people develop the knowledge and self-management skills that will assist them in adopting healthy lifestyles. This encompasses all areas of wellness: physical, emotional, spiritual, social and intellectual. Students will understand the relationship between lifestyle management, quality of life, and societal health and productivity.

**Economics:** Well-educated people develop an understanding of themselves and the world around them through study of the fundamental interaction between wants and resources in shaping human experience. Students must understand how the science of economics can be used to discover, explain, and predict human behavior and social systems both past and present.

These eleven goals have shaped the faculty's design of your Core Curriculum. The Core Curriculum is more than an array of courses from which students choose. The word <u>core</u> is derived from a root that means heart. We believe that your experience in our Core Curriculum is the heart of an excellent education. It also provides the foundation for your study of your major.

Three major strands are woven through the college's curriculum in both the Core and the major: writing, computer literacy, and international education. First, because writing is among the most crucial skills, Southern ensures that writing permeates the total course of study, starting in freshman composition courses and continuing through



# 8 / Core

writing intensive courses in each major. Second, no one unfamiliar with computers will be prepared to face the 21st Century, so Southern has devised a computer literacy program to enable all its graduates to use these powerful tools. And third, as detailed elsewhere in this catalog, Southern has a special emphasis in international education. An awareness of other peoples, languages and cultures is becoming increasingly necessary. In every possible course, the curriculum includes a global perspective.

#### **Your Major**

The College offers more than 100 majors in a wide variety of fields. Your pursuit of your major will furnish you with the knowledge in depth that is also characteristic of a well-educated person. Some students come to Southern with a clearly defined idea of their major; others come uncertain, relying on their exposure to the Core Curriculum and on experimenting with a few elective courses to help them choose.

In either case, when you emerge with your baccalaureate degree, you will have mastered a body of knowledge that sets you apart from well-educated people in other fields. Often it is your mastery of a particular discipline that makes you of great value in the workplace. Not only do you emerge knowing a great deal, but you also emerge armed with the power to learn more, to extend your knowledge.

#### **Special Features of Missouri Southern**

A comprehensive education fostering life-long learning is the aim of our liberal arts curriculum. Southern strives to present the best in higher learning. The following features distinguish our college.

**Emphasis on Teaching:** The heart of Missouri Southern is that of an undergraduate college where the interaction between teacher and student is of primary importance in the learning experience. Here you will be taught by professors with degrees from the most prestigious universities across the nation.

International Mission: The world is changing rapidly and dramatically. The future will belong to those who have an understanding and appreciation for the world beyond the boundaries of our country. That is why Missouri Southern has chosen to emphasize a global perspective throughout our entire curriculum and wherever possible to add an international dimension to our courses.

Assessment of Outcomes: Missouri Southern continually assesses the effectiveness of its programs, including the Core Curriculum and all the majors. The assessment information helps us revise and improve our programs. In this way, we ensure our curriculum is dynamic and up-to-date.

Enrichment Programs: Your opportunity for total education is enriched through a variety of special programs including the Honors Program, internships and independent study opportunities, and "themed" semesters that focus on a country, continent, or section of the world. Study abroad opportunities include Oxford University and Cambridge University in England, the Summer in Sweden art program, language immersion programs in France, Germany, Mexico, and Spain, and semester-long exchange programs around the world.

**Total Collegiate Experience:** A great deal of college education happens outside the classroom. An array of extracurricular activities is offered to meet almost every academic and social interest. In addition, a variety of services are available for the student to meet educational and personal needs.

**Diverse Student Body:** Students at Southern represent a wide variety of ages and places of origin. The sizable enrollment of nontraditional students (those over 25) and international students is a great advantage. On our campus, students come to see each other as friends and allies and learn to develop healthy and supportive relationships with a variety of people.

Flexible Class Scheduling: The Division of Lifelong Learning provides a variety of forms of access to education to meet the needs of today's students. Access to educational opportunities is provided through televised, Internet, cd/video tape correspondence and weekend hybrid classes.

More complete information on each of these features is found in the catalog. And of course, our faculty and staff are always willing to help you to make the most of your college experience. Don't hesitate to ask. We're here for you!

# **Assessment of Outcomes**

#### Goals of Assessment of Outcomes

Assessment is an ongoing, cyclical effort of identifying goals, developing programs to achieve those goals, evaluating the effectiveness of the programs, analyzing results, redefining goals and improving programs. That cycle is a basic responsibility of all faculty and administrators. Stated goals of outcomes assessment at Missouri Southern are:

- Evaluation of institutional effectiveness by research and assessment of:
  - a. Core Curriculum programs and school departments
  - b. Academic and developmental student outcomes
- Improvement of both academic and student affairs programs:
  - To increase student academic and developmental outcomes
  - b. To increase student retention and degree completion
- Provision of data needed for long-range planning to fulfill the college mission
- 4. Fulfillment of governmental mandates

In its mission, Missouri Southern is committed to developing effective programs to fulfill the needs of the students while developing knowledge, skills and positive attitudes. In order to accomplish that goal, ongoing assessment is conducted not only by professors in the classes offered each semester, but also by faculty and administration in annual program reviews. The Center for Assessment and Institutional Research assists faculty and administration in gathering data for those reviews. In addition, a Faculty Assessment Advisory Committee meets regularly with the administration to study current assessment methods and make recommendations for improvement of the College's assessment program.

#### **Program for Assessment of Outcomes**

Importance of assessment for college accountability is underscored by a **Board of Regents policy that requires that students participate in assessment activities when requested.** Information obtained from standardized tests, faculty developed tests, surveys, student research, portfolio review, student interviews and performances is used to develop both quantitative and qualitative data needed for the analysis phase of our assessment plan. Three identified areas of student outcomes are assessed each year: Core Curriculum, departmental majors and student development. In addition, follow-up studies of alumni and their employers are conducted periodically.

**Core Curriculum:** Data for study is gathered each year by administering a standardized test and needed surveys to incoming freshmen and exiting seniors. The AP (Academic

Profile) from the Educational Testing Service is a standardized test used to measure the impact of a Core Curriculum on students as they progress through a degree program. Students are called upon to analyze, synthesize, apply and evaluate information, rather than just to recall or recognize content.

**Departmental Majors:** The faculty and administration of each department are responsible for evaluating the effectiveness of their programs. All departments have developed outcomes assessment programs for graduating seniors. Information gathered from quantitative and qualitative assessment is used by the department to review programs. A variety of assessment methods are used by the various departments.

Departments that offer degrees leading to state or national certifications use the required standardized tests for entrance and certification as their quantitative measures. These departments include computer information science, dental hygiene, education, medical technology, radiologic technology, respiratory therapy and nursing. Departments that use standardized major field tests offered by the National Testing Services or by their particular professional organization include biology, business administration, chemistry, criminal justice administration, English, environmental health, history, management technology, mathematics, physics, sociology, music, and psychology.

In major areas where standardized tests are currently unavailable, departmentally developed assessment plans have been implemented. The plans utilize one or more of the following methods: faculty developed exams, portfolio review, student interviews, external examiners, capstone projects and simulations, among others. The art, communications, political science, Spanish and theatre departments have developed such plans.

Student Development: The impact of a college is not limited to the classroom. While Core Curriculum and departmental major assessment is focused on knowledge and skill outcomes, student development assessment focuses on social and personal growth of students both inside and outside of the classroom. Surveys and opinionnaires are the primary methods of gathering data to assess student development. Data are collected from entering and graduating students each year to assess current attitudes and opinions as well as trends in that information. Missouri Southern State College participates in three rotating statewide surveys that give us comparative data from currently enrolled students, alumni and employers of our graduates. Retention and graduation rate studies also give important information on the flow of students through our system of higher education.

# 10 / Assessment

#### Results of Assessment of Outcomes Core Curriculum

As our Assessment program matures, we have an ongoing commitment to use the data collected from tests, surveys, etc. to analyze trends and link results to the planning process. Teams of students, faculty, administrators and staff have studied the data. Assurance of the quality and effectiveness of our Core Curriculum has been the result.

For example, the Core Curriculum study resulted in a consensus that what we teach in our Core fits our mission, but how we teach the Core and major courses and how students learn should be the focus. For that reason several initiatives on campus are studying new approaches to involve students more effectively in the learning process. Other issues include analysis of a faculty member's teaching, modeling and requiring critical thinking in the classroom and requiring more extensive communication skills as students complete coursework.

#### Means and Percentile Scores of 2001 Missouri Southern State College Seniors on the Academic Profile Test Compared to National Norms

The table at right displays mean scores for the sample of Missouri Southern students who took the Academic Profile in Spring 2001. Southern students scored above the national average in all seven areas of the Academic Profile test.

#### **Academic Profile Results**

	MS	SC	NATIONAL		
Areas of Study	Mean	%-tile	Mean	%-tile	
Humanities	118	77	116	38	
Social Sciences	117	80	115	38	
Natural Sciences	119	65	118	50	
Reading	122	75	120	43	
Writing	118	68	117	50	
Critical Thinking	114	75	112	32	
Math	116	57	115	37	

#### Average Scores of Missouri Southern State College Seniors on the 1997-2001 Student Opinion Surveys

Results of confidential student opinion surveys, administered to graduating seniors during Assessment Days 1997-2001, show that students perceive their treatment and experiences at Missouri Southern to be fair and their education to be of high quality. Their survey results are displayed in the table below along with ACT national reference norms for 2001. The students were asked to use the following nomenclature:

#### 5 = Very Satisfied, 4 = Satisfied, 3 = Neutral, 2 = Dissatisfied, 1 = Very Dissatisfied

Our yearly ratings for most categories tend to be stable, or trending upward, and the five-year averages are at or above the national norms for every question in the table.

MSSC Student Opinion Survey Averages / National Norms										
Category	1997	1998	1999	2000	2001	5-Yr. Ave.	2001 Norms			
Class size relative to type of course	4.52	4.58	4.53	4.52	4.41	4.51	4.15			
Attitude of faculty toward students	4.48	4.47	4.37	4.23	4.14	4.34	4.01			
Instruction in major field	4.35	4.42	4.35	4.14	4.17	4.29	3.95			
Availability of adviser	4.27	4.45	4.26	4.26	4.19	4.29	3.84			
Out-of-class availability of instructors	4.19	4.40	4.32	4.22	4.18	4.26	3.95			
Course content in major field	4.21	4.37	4.21	4.07	4.06	4.18	3.91			
General condition of buildings and grounds	4.22	4.14	4.13	4.10	3.94	4.11	3.68			
Student health services	4.04	4.08	4.07	4.11	4.06	4.07	3.70			
Value of information provided by adviser	4.13	4.12	4.07	4.01	3.96	4.06	3.77			
Career planning services	4.05	4.03	4.28	4.06	3.85	4.05	3.78			
Veterans services	3.33	4.00	3.96	4.54	4.40	4.05	3.89			
Cultural programs	3.78	4.10	4.06	4.19	4.08	4.04	3.80			
Honors program	3.63	4.00	4.22	4.04	4.24	4.03	3.90			
Catalog/admissions publications	4.06	4.00	4.05	4.06	3.92	4.02	3.87			
Preparation for future occupation	4.10	4.18	4.01	3.91	3.83	4.01	3.74			
Student employment services	3.95	3.73	4.24	4.11	3.94	3.99	3.90			
Testing/grading system	4.03	4.00	4.01	3.99	3.91	3.99	3.83			
Classroom facilities	4.08	3.98	3.92	3.95	3.76	3.94	3.76			
College-sponsored tutorial services	3.73	3.86	4.18	4.04	3.73	3.91	3.86			
Job placement services	4.13	3.79	4.09	3.86	3.62	3.90	3.60			
Personal counseling services	3.57	3.71	4.03	4.00	4.03	3.87	3.87			
Accuracy of information received before enrolling	3.87	3.76	3.91	3.90	3.72	3.83	3.72			
College-sponsored social activities	3.76	3.82	3.88	3.87	3.78	3.82	3.75			
Racial harmony at this college	3.85	3.64	3.59	3.96	3.84	3.78	3.69			
Opportunities for involvement in campus activities	3.73	3.86	3.63	3.67	3.67	3.71	3.71			
Concern for you as an individual	3.86	3.77	3.35	3.85	3.69	3.70	3.53			

# **Fee Policies**

# **Schedule of Fees**

	Tuition and Incidental Fees For 2002-2003	
	Tuition (per credit hour)	
	Missouri residents	
N	Non-residents	
	Textbook Rental Fee (per credit hour) \$5.0	
	Equipment Use Fee - full time students \$40.0	
	part time students \$20.0	
В.	Student Activity Fee - full time students \$25.0	0
	part time students	
	Parking Fee	0
	Records Fee	0
В.		
	Other College Fees	
	Application for Admission (non-refundable) \$15.0	
	Change of Class Schedule (add/drop fee) \$5.0	
	Late Registration	
	(replacement cord)	
	(replacement card)	
	Late Rental Book Fee (per text)	
	Distance Learning Fee (per credit hour) \$25.0	U
,		
	Special Course Fees	
	Applied Music (per credit hour) \$80.0	
	Art Materials (varies with course) \$5.00 - 40.0	0
	Dental Hygiene	
9	First-Year Students	0
	Second-Year Students \$1,250.0	
	Education Course Materials \$2.00 - 8.0	0
	(varies with course)	
	EMT-Paramedic (Fall semester only) \$725.0	0
	Freshman Orientation	0
	Manufacturing Technology	0
В	Music Recital (senior music majors only) \$50.0	
	Music Techniques	
	Nursing	
	Photography	
	Police Academy	
	Radiologic Technology (first term) \$100.0	
	(all other terms)	
	Respiratory Care (contact 659-4400 for special course fee information	
	Science Laboratory Breakage and Materials	
	Science Courses with Labs\$10.0	
	Colonido Courses with Eabo \$10.0	
	Residence Hall Fees	
		_
	Residence Hall Cost (per semester)* \$2000.0	
	Apartments (per semester)* \$2200.0	
	East Hall (per semester)* \$2400.0	
	Private (per semester)*\$2600.0	
	Refundable Security Deposit \$150.0	0
	*Payable in five (5) payments	
	Other incidental fees for supplemental class materials, testing o	r
	other source related costs may be accessed as required	

The College reserves the right to change fees without notice.

other course-related costs may be assessed as required.

#### Payment of Fees

#### 1. Tuition and Incidental Fees

For all students who have pre-registered for fall, spring, or summer semesters, at least 50% of the semester charges must be paid by the published deadline for each respective semester. Failure to remit the first 50% installment according to these payment terms will result in an immediate drop from all pre-registered classes before regular registration. Students enrolled in intersession classes must have their fees paid in full prior to the first day of class.

For students who enroll during regular registration, payment of 100% of the fees charged will be due and payable on the day of registration. Failure to remit the balance due will result in an immediate drop from the students' class schedule.

Statements of account will be mailed to all pre-registered students prior to the initial payment deadline. Subsequent statements will be mailed monthly.

It is extremely important to realize that a financial obligation is incurred at the time of enrollment. Services are rendered as of the first day of class so unless a student officially withdraws prior to that day, fees will be assessed in full. No reduction in charges according to the College refund policy will be credited to the students account until an official withdrawal is completed. Failure to pay fees in accordance with the stated payment plan will not necessarily relieve the financial obligation incurred if the student is dropped for non-payment.

Students expecting their fees to be paid through financial aid sources must have all necessary documentation filed with the Financial Aid Office by July 1st for the Fall term, and by December 1st for the Spring term in order to receive consideration for payment deferment.

Students enrolled in evening, weekend, internet, and televised classes for regular college credit courses, applicable toward an associate or baccalaureate degree, are subject to the same fees, rules and regulations as set forth for students attending day classes. Special fees for classes not applicable toward a degree program will be announced in the Evening Session Bulletin.

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Appeals concerning special problems pertaining to fees should be directed in writing to the Treasurer in Hearnes Hall, Room 210.

#### 2. Residence Hall

Students will not be permitted to move into the Residence Halls without remitting payment of at least 50% of tuition and 40% of Residence Hall fees.

As stated in the contract agreement, students will be responsible for the full semester fee, except as specified in the contract, once they have checked into the Residence Halls even upon complete withdrawal from school. The security deposit will be refunded only if the terms of the contract have been fulfilled.

#### **Explanation of Fees**

**Admission Application Fee** - a non-refundable administrative fee required upon submission of an application for admission.

Change of Class Schedule Fee - an administrative fee charged for each class change (add or withdrawal) made after the first week of the semester.

**Distance Learning Fee** - a fee charged to off-set costs unique to the distance learning environment including: development of specialized Internet courses, fees to broadcasters for carrying televised courses, transmitter and tower costs for televised courses, host servers for Internet courses, and video and internet materials developed by independent producers.

**Equipment Fee** - an incidental fee assessed each semester, which enables the College to provide the most technologically current equipment for use in the classroom and laboratories. All fees collected will be used solely for the purchase of equipment, which will directly benefit the students in their college course work.

Late Registration Fee - an administrative fee assessed to students who enroll for classes after the first full week of the semester.



# Fee Policies / 13

**Parking Fee** - an incidental fee assessed each semester to cover all costs associated with vehicle registration, roadway & sidewalk maintenance and campus security.

**Records Fee** - an incidental fee assessed to all students each semester to cover an unlimited number of transcripts, cap and gown and diplomas. This replaces the old transcript and commencement fees.

**Special Course Fees** - fees are charged for additional course materials and/or services for specific courses. Courses include but are not limited to art, music, education, dental hygiene, nursing, radiology and photography.

**Student Activity Fee** - an incidental fee assessed each semester to support various aspects of campus life including student activities, student government, student publications and other events and services provided by the College.

Student I.D. Card - a one-time fee assessed to all new students allowing the issuance of a photo identification card. This card is required not only for identification purposes but also must be presented in order to check out library materials, to be admitted to campus activities, to obtain meals under the Residence Hall meal plan or to conduct business in various campus offices such as Financial Aid, Cashiers Office, Ticket Office, etc.

Textbook Rental Fee - a per credit hour fee assessed for the use of rental textbooks. The College operates a rental system through the College Bookstore which allows the use of the required textbook by the student for one semester. Before rental books may be issued, the student is required to have paid at least 50% of the total fees due for the semester. It should be noted that some classes may require the purchase of supplemental books and materials not available through the rental system. These materials may be billed to students accounts. Textbooks must be returned no later than 12:00 noon, Monday following the week of finals. A book drop box will be available inside Billingsly Student Center on the second floor entrance for weekend drop-off. Textbooks not returned by this time will be charged to the student accounts. Rental texts returned after this time will be assessed a late fee per book for a limited time.

#### **Refund Policy**

#### (Except for Residence Hall Charges)

During the course of any semester, if a student finds it necessary to drop individual classes or fully withdraw from college, the fee refund policy is as follows:

#### For Fall and Spring Semesters

Prior to the end of the	e first week of classe	s 100% refund
Second through fifth	weeks	60% refund
After the fifth week.		0% refund

#### For Summer Semester

Prior to the end of the first week of classes	100% refund
Second and third weeks	60% refund
After third week	0% refund

#### For Intersession

No refund of fees after first day of intersession classes.

Withdrawal from classes during the refund period means that the student will be responsible for 40% of the cost of tuition.

To be eligible for a refund, the student must formally complete a drop form and submit it to the Registrar's Office within the refund period. If the student is withdrawing from college completely, he or she must complete a withdrawal form with the College Exit Counselor within the published deadline dates. Failure to attend classes will not constitute a withdrawal.

If the student withdraws after payment of any or all fees for the semester, any monies due to the student will be mailed after fee refunds have been applied. However, if the college costs have been paid partially or fully by financial aid (scholarships, grants, loans, other government assistance programs, etc.) the refund monies will be first applied to the financial aid program source. Please see the repayment notice of Title IV aid paragraph below for further explanation. Once these awards have been fully refunded, any remaining balances will be forwarded to the student.

All refunds must be claimed during the term for which the refund applies. Students who feel that individual circumstances warrant exceptions to this policy may appeal in writing to the Treasurer. This appeal must be made during the term for which the refund applies.

# REPAYMENT NOTICE FOR FEDERAL FINANCIAL AID

Students who withdraw on or before the 60% point of the semester will be subject to repayment of part or all of their aid as determined by Federal Regulations.

- Students will be notified in writing of any amount due.
   A hold will be placed on the student's account until repayment is made in full.
- Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:
  - 1. Referral to the Federal Government for collection.
  - Ineligibility for Federal Financial Aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

For policies concerning fee refunds for Residence Hall charges, please refer to the Residence Life contract.

# 14 / Calendar

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# **Academic Calendar**

#### **2002 SUMMER SEMESTER**

	Day and Evening Registration
June 10	CLASSES BEGIN
June 13	Last Day for Full Refund of Fees
June 27	Withdrawal After This Date No Refund of Fees
July 4	Dismissal for 4th of July Holiday
July 18	Last Day to Withdraw from a Class with a "W"
July 29	Last Day for Complete Withdrawal from
	College with all "W's"
July 31	Last Day of Classes
July 29-Aug	ust 1 Final Examinations (Evening Classes)
August 1	Final Examinations (Day Classes)

#### 2002-2003 FALL SEMESTER

#### 2002-2003 SPRING SEMESTER

January 9 Day and Evening Registration
January 10 Faculty Study Conference & Day Registration
January 13 CLASSES BEGIN
January 17 Last Day for Full Refund of Fees
January 20 Add/Drop Fees & Late Registration Fees Begin
February 14 Withdrawal After This Date No Refund of Fees
February 19 Senior Assessment Day
March 14 Last Day to Withdraw From a Class with a "W"
March 17-21 Spring Break
May 5 Last Day for Complete Withdrawal from
College with all "W's"
May 7 Last Day of Classes
May 8 Reading Day - No Finals
May 9-15 Final Examinations
May 15 End of Semester
May 17 Commencement
May 19-31 Intersession

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# Calendar / 15

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# **Academic Calendar**

#### **2003 SUMMER SEMESTER**

June 6 Day and Evening Registration
June 9
June 12 Last Day for Full Refund of Fees
June 26 Withdrawal After This Date No Refund of Fees
July 3 Dismissal for 4th of July Holiday
July 17 Last Day to Withdraw from a Class with a "W"
July 28 Last Day for Complete Withdrawal from
College with all "W's"
July 30 Last Day of Classes
July 28-31 Final Examinations (Evening Classes)
July 31 Final Examinations (Day Classes)

#### 2003-2004 FALL SEMESTER

2003-	2004 I ALL SLIVILS I LI
August 21	Day and Evening Registration
August 21	Freshman Assessment Day
August 22	Faculty Study Conference & Day Registration
August 25	CLASSES BEGIN
August 29	Last Day for Full Refund of Fees
September 1	Dismissal for Labor Day
September 2	Add/Drop Fees & Late Registration Fees Begin
September 26	Withdrawal After This Date No Refund of Fees
October 24	Last Day to Withdraw From a Class with a "W"
November 26-28	Dismissal for Thanksgiving Holiday
December 1	Classes Resume
December 8	Last Day for Complete Withdrawal
	from College with all "W's"
December 12	Last Day of Classes
December 15-19	Final Examinations
December 19	End of Semester
December 20	Commencement

#### 2003-2004 SPRING SEMESTER

2000-2004 SI HING SEMESTER
January 8 Day and Evening Registration
January 9 Faculty Study Conference & Day Registration
January 12 CLASSES BEGIN
January 16 Last Day for Full Refund of Fees
January 19 Add/Drop Fees & Late Registration Fees Begin
February 13 Withdrawal After This Date No Refund of Fees
February 18 Senior Assessment Day
March 12 Last Day to Withdraw From a Class with a "W"
March 15-19 Spring Break
May 3 Last Day for Complete Withdrawal
from College with all "W's"
May 5 Last Day of Classes
May 6 Reading Day - No Finals
May 7-13 Final Examinations
May 13 End of Semester
May 15 Commencement
May 17-28 Intersession

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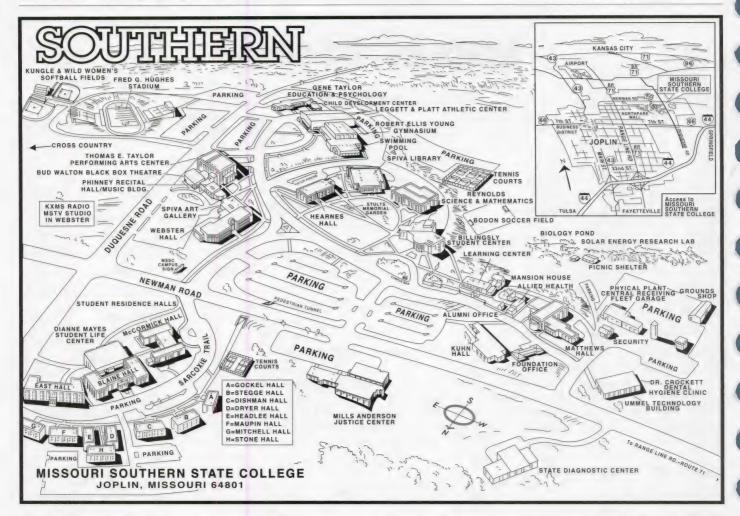
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# 16 / Directory/Map



#### **Anderson Justice Center**

Anderson Auditorium Criminal Justice Dean of Technology Emergency Medical Technology Firing Range Paramedic Regional Crime Laboratory Respiratory Therapy

#### **Art Building**

Art Spiva Art Gallery of MSSC

#### **Billingsly Student Center**

Bookstore
Career Services
Food Service
Meeting/Game Rooms
Public Information Office
Student Activities
Student Services
Ticket Office

#### **Biology Pond**

Picnic Pavilion Solar Energy Laboratory

#### **Bud Walton Theatre**

#### Emergency Medical Services Annex

Allied Health Services Alumni Office

#### **Foundation House**

Missouri Southern Foundation

#### Hearnes Hall

Administrative Offices
Admissions
English
Financial Aid
Registrar
Student Support Center

#### Kuhn Hall

Nursing Radiology Student Health Center

#### Leggett & Platt Athletic Center

Arena
Arena
Athletics Director
Men's baseball, basketball,
Track
Training Room
Wellness Center
Women's basketball

#### Maintenance Office

Campus Security Central Receiving Greenhouse

#### **Matthews Hall**

Business Administration Computer Information Science Matthews Hall Auditorium

#### Mission Hills Mansion Complex

Learning Center

#### **Music Building**

Music Phinney Recital Hall

#### Reynolds Hall

Biology Mathematics Physical Sciences

#### Spiva Library

Archives Audio Visual Center

#### Dianne Mayes Student Life Center

Cafeteria Computer Labs Meeting Rooms Recreational Facilities

#### Taylor Hal

Child Development Center Psychology Teacher Education

#### Taylor Performing Arts Center Theatre

**Ummel Technology Building** 

Computer Aided Drafting/ Design Engineering Technology Dental Hygiene Manufacturing Information Management Systems Manufacturing Technology

#### Webster Hall

Communications
Honors Program
KXMS Radio
KGCS/MSTV Studio
Lifelong Learning
Social Science
Webster Hall Auditorium

#### Young Gymnasium Football Office

Football Office Kinesiology Sports Information Office Swimming Pool/Racquetball

#### P - Parking

**VP - Visitor Parking** 

Joe Becker Stadium, home of the Baseball Lions, 3rd & High Streets.

#### Other facilities

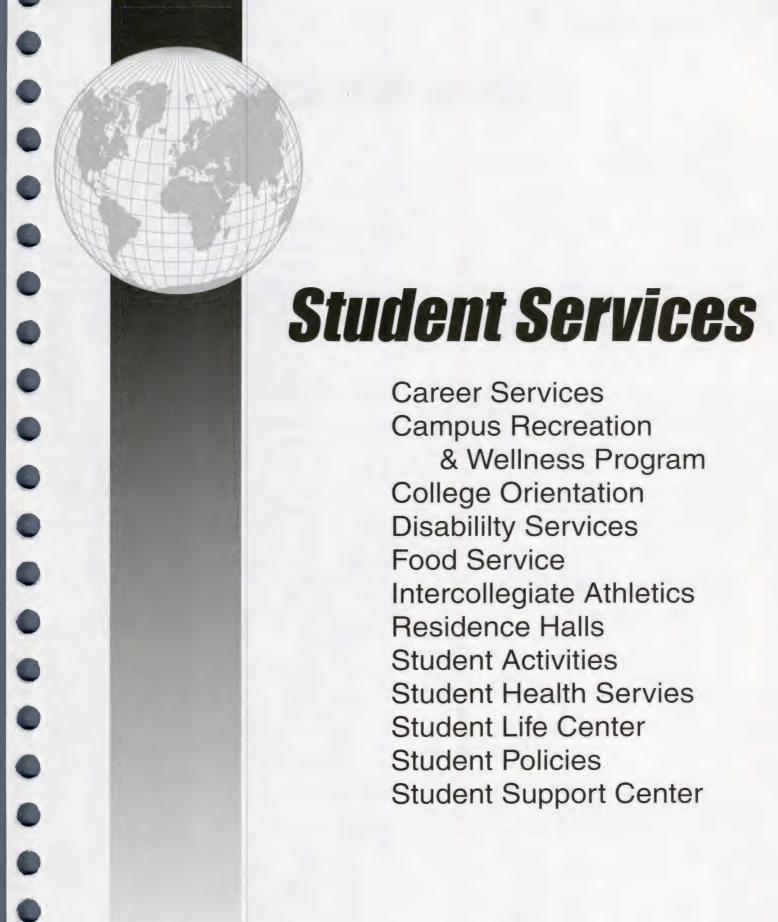
Campus Directory
Hughes Stadium
Kungle & Wild Softball Fields
Bodon Soccer Field
Student Residence Halls
Stults Memorial Garden
Tennis Courts
Veterans Memorial

# Correspondence

Missouri Southern State College • 3950 E. Newman Road • Joplin, Missouri 64801-1595 417-625-9300 • 1-800-606-MSSC • www.mssc.edu

	Academic Affairs	625-9394	Loans	625-9325
	Admissions Office	625-9378	Missouri Southern Foundation	625-9396
0	Athletics - Baseball, Basketball, Cross Country (M),		News/Publications	625-9399
	Football, Golf, Track & Field (M)	625-9317	Orientation	625-9529
	Athletics - Cross country (W), Soccer, Softball,		Physical Plant	625-9331
	Tennis, Track & Field (W), Volleyball	625-9316	Public Information Office	625-9399
	Alumni Affairs	625-9355	Purchasing	625-9388
	Bookstore	625-9380	Residence Halls	
	Business Affairs	625-9728	Blaine Hall	659-4107
	Cafeteria	625-9546	McCormick Hall	659-4190
	Career Services	625-9343	Student Life Center	659-4461
	Catalog & bulletins	625-9378	Safety & Security	626-2222
	Child Development Center	625-9360	School of	
	Credit evaluations/transcripts	625-9389	Arts & Sciences	625-9385
	Crime Laboratory	625-9382	Business Administration	625-9319
0	Dental Hygiene Clinic	625-9379	Education	625-9314
	Disability Services	625-9373	Technology	625-9328
	Evening Session	625-9394	Sports Information	625-9359
	Faculty appointments	625-9394	Student Activities	625-9320
	Financial aid	625-9325	Student Employment	625-9325
0	Gifts & Annuities	625-9500	Student Organizations	625-9320
	Grammar Hotline	624-0171	Student Services	625-9392
	Honors Program	625-3005	Summer Session	625-9394
	Housing	625-9522	Student Support Center	625-9324
	KGCS/MSTV	625-9375	Swimming & Racquetball	625-9390
-	KXMS-88.7	625-9356	Testing	625-9324
	Learning Center	625-9373	Ticket Office	625-9366
	Library	625-9386	Veterans Affairs	625-3159
	Lifelong Learning	625-9384		





# **Student Services**

Dean of Students and Assistant Vice President for Student Services Doug Carnahan

Billingsly Student Center 211, 417.625.9531

**Staff:** Carlisle, Dipley, Fullerton, Gipson, Griffin, Ingram, Thomas

Because all education does not take place in the classroom, the Student Services staff provides a wide variety of services for students at Missouri Southern. The department includes the Student Services Office, Dean of Students, Residence Life, Student Activities, Billingsly Student Center, Dianne Mayes Student Life Center, Food Service, Student Health Services, and Recreation, Intramurals and Wellness.

With the objective of helping students to fully develop and achieve their educational goals, professional staff members are trained to support students by:

- 1. providing a campus climate in student residence and campus affairs that is conducive to academic achievement;
- providing services which will assist in the self-development of all students and promote the understanding of their own purposes for being in college;
- providing, through student government, student organizations and other activities, both an opportunity to practice democratic living, with both rights and responsibilities, and a chance to learn to work effectively and cooperatively with others;
- helping each student develop a sense of individual responsibility and self-discipline;
- interpreting college objectives, policies and rules to students and communicate student attitudes, opinions and activities to the faculty, administration and general public; and
- providing student health services that meet the emergency and temporary medical needs of all students.

# **Student Support Center**

Kelly E. Wilson, Director Hearnes Hall 114, 417.625.9324

The primary goal of the Student Support Center is to promote the student's academic and personal development. Services are provided for individuals with educational, academic, personal, and social concerns. Experienced pro-

fessional staff members provide individual counseling for academic, career, and short-term personal concerns as well as offer a variety of tests, inventories, and referral services. Such services are considered confidential.

#### **Academic Advisement**

Students who have not declared an academic major area of study will be assigned an adviser from the staff in the Student Support Center. At the beginning of each semester, undeclared majors need to make an appointment with their adviser in the Student Support Center to discuss their academic plans. Later in the semester a second appointment needs to be made to enroll for the next semester. The responsibility for satisfying all requirements rests with the student. Advisers, faculty and administration assist in meeting this responsibility.

#### **Career Counseling**

Students who are uncertain of their major are encouraged to make an appointment with a counselor to identify, understand and explore academic/career related concerns. Interest and personality inventories are available as well as a career library to assist in the career decision-making process. Career and Life Planning classes for undecided students are offered during the second half of each semester.

The SIGI, a computer based career information systems, is available and designed to assist students in clarifying values, assessing competencies and interests, making decisions, securing information on occupations, educational opportunities, and selecting appropriate career development strategies.

#### **Personal Counseling**

Confidential, personal counseling is available to students who may be struggling with relationship issues, stress, depression, adjustment issues, grief, trauma or problems with eating disorders or drug or alcohol abuse. Contact the Student Support Center in person or by phone to set up an appointment. Referrals to additional resources may be given as appropriate.

#### **Testing Services**

Missouri Southern is a national testing center for the following examinations:

- 1. ACT (Placement test for college entrance)
- 2. Praxis Series (National Teachers Exam)
- 3. DHAT (Dental Hygiene Aptitude Test)
- 4. GED (General Education Development high school equivalency test)

### Student Services / 21

- 5. MAT (Miller's Analogy Test for graduate school)
- 6. CLEP (College Level Examinations Program)
- 7. Michigan Test (English Language Proficiency)

The CLEP (College Level Examination Program) is administered by appointment. The student must contact the Student Support Center to register prior to the testing time/day. This program is designed to allow students to receive, upon attaining a passing grade, proficiency credit for core requirements. In order to receive credit for a CLEP examination, a student must have the following qualifications:

- (a) not have taken an examination over the course within the preceding six months;
- (b) not have credit in a more advanced course in the same field:
- (c) be working toward a degree at Missouri Southern State College;
- (d) not use the examination to replace a previously earned grade.

The Student Support Center also provides proctors and a testing room for students taking correspondence courses from other accredited institutions. Appointments must be made prior to taking the test. A fee will be charged for each test administered.

All students whose native language is not English, who wish to transfer with 24 hours or more and do not have a minimum TOEFL score of 535, or a minimum TOEFL computer score of 200, may take, by appointment, the Michigan Test of English Language Proficiency. A passing grade on the Michigan Test is 75. If proficiency on the Michigan Test is not achieved, the applicant must wait 60 days to retake the test. There is a fee for this test and a passport or green card is required for identification.

The Student Support Center also provides the GED (General Education Development) High School Equivalency Test as a service to the people of Southwest Missouri who were unable to complete their high school education. The person making an acceptable score on the GED test will receive a high school equivalency certificate from the Missouri State Department of Education. Applications for GED testing are available from the Student Support Center.

#### Non-Traditional Student Program

Students who have been out of school for several years often have unique concerns about returning to college. Workshops to ease the transition to college are offered periodically and a non-traditional club—OWLS (Older Wiser Learners) meets weekly for support. Non-Traditional orientation classes are offered every semester to help with the adjustments to college and reacquaint the learner with study skills and time management issues.

FRESH START for non-traditional students is a specially designed full-day required enrollment program. It is for first time freshman students who graduated from high school

two or more years ago and for those who possess a GED. These students have experiences that are often different from those of recent high school graduates, and profit from enrolling as a group.

#### **Other Services**

**Outreach:** Special programs and workshops designed to define and/or to prevent problems and to improve the quality of college life are presented. These offerings provide information, techniques, and skills relevant to specific topics of interest such as: stress management, test anxiety, self-esteem, and building successful relationships.

**Emergency:** Crisis intervention is provided to deal with situations requiring immediate attention.

Consultation and Referral: The Center's staff is available, upon request, to provide consultation to the administration, faculty, staff, and students. The staff also will facilitate referrals to outside agencies and to licensed professionals as needed.

# **College Orientation**

Holley Goodnight, Coordinator of New Student Programs Hearnes Hall 114B, 417.625.9324

To assist all new students in the transition to college life, Southern has designed an orientation course to help them become acquainted with college services, facilities, and policies as well as to introduce helpful social and academic survival skills.

This eight-week course is offered in the spring and fall semesters. Special orientation courses are designed for transfer, honors, athlete, and non-traditional students. Time management, study skills, social issues, and the assignment of an academic adviser are among the major objectives covered in this course. The program operates in small group settings and is facilitated by peer leaders who have successfully completed a Leadership Training program.

#### Fresh Start

Fresh Start is a one-day orientation, testing, and enrollment program that is required for all incoming freshmen. During Fresh Start, students will have an opportunity to:

- take the Writing Placement Exam (determines placement in English Composition)
- learn more about majors and programs offered at Southern
- meet and talk with current and other incoming students
- learn more about campus services and policies (security, parking, health services, activities, residence halls, etc.)
- · enroll in fall classes

# 22 / Student Services

Family and guests are invited to participate in the Family Program. The Family Program runs concurrently with the student program and is designed to address specific issues related to sending a student to college.

Invitations to Fresh Start are mailed through May and June. To be invited to Fresh Start, a student must be accepted to the College through the Admissions Office.

#### **University 101**

University 101 is a class designed for high school seniors and juniors who plan to attend college. The course focuses on how to choose a college, apply for financial aid, adapt to new academic and social rigors, and how to manage time and money. University 101 is offered the first 8 weeks of each spring semester.

#### **NCAA Champs Life Skills Program**

Missouri Southern State College was accepted into the NCAA Champs Life Skills Program in the Spring of 2001. The mission of the NCAA is to maintain intercollegiate athletes as an integral part of the campus educational program and the athlete as an integral part of the student body. With this in mind, the CHAMPS Life Skills program was created to support the student development initiatives of its member institutions and to enhance the quality of the student-athlete experience within the university setting.

#### CHAMPS Life Skills Program Commitment Statements

#### Commitment to Academic Excellence

To support the academic progress of the student athlete toward intellectual development and graduation.

#### Commitment to Athletic Excellence

To build philosophical foundations for the development of athletic programs that are broad-based, equitable and dedicated to the well-being of the student athlete.

#### **Commitment to Personal Development**

To support the development of a well balanced lifestyle for student athletes, encouraging emotional well-being, personal growth and decision making skills.

#### **Commitment to Career Development**

To encourage the student athlete to develop and pursue career and life goals.

#### Commitment to Service

To engage the student athlete in service to his/her campus and surrounding communities.

#### **Project STAY**

Susan Craig, Director North Guest House, 417.625.9830

Project STAY is a federally funded Student Support Services grant program designed to provide services to MSSC students to help them graduate. Services provided by the Project include: academic advising, priority enrollment (for freshmen and sophomores), career and personal counseling, tutoring and supplemental instruction, assistance with applying to graduate school, and travel to area cultural sites. The Project serves 160 students. To qualify, students must be either first-generation college students (neither parent has a bachelor's degree), meet an income guideline, or be a student with a disability. To get more information or pick up an application, call the Project STAY office at 417.625.9830 or visit www.mssc.edu/projectstay.

#### **Upward Bound**

Susan Koepke, Director South Guest House, 417.625.9830

Upward Bound is a federally funded program designed to help students gain the skills necessary to persist through high school and on to post-secondary education. Some of the services provided by Upward Bound include a six-week summer College Simulation Experience, monthly Saturday "Focus On" meetings, academic tutoring for current classes, opportunities to shadow student and professional mentors, and field trips to area college campuses and cultural sites. The services provided by Upward Bound are free to students and parents/guardians. For more information, please contact the Upward Bound office at 417.625.9830, or visit www.mssc.edu/upwardbound/home.html.

# **Disability Services**

#### Melissa Locher, Coordinator of Disability Services Learning Center, 417.625.9373

Mansion Classroom Building

Missouri Southern State College strives to assure that no qualified person with a disability shall, solely by reason of the disability, be denied access to, participation in, or the benefits of any program or activity operated by Missouri Southern. Each such qualified person shall receive reasonable accommodations to provide equally effective access to educational opportunities, programs, and activities in the most integrated setting appropriate unless provision of such reasonable accommodation would constitute an undue hard-ship on the College or would substantially alter essential elements of the academic program or course of study or would otherwise compromise academic standards. This

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policy shall apply to all programs, services, and activities of the College, including but not limited to recruitment, admissions, registration, financial aid, academic programs, advising, counseling, student health, housing and employment.

A student seeking accommodation must make his or her request to the Coordinator of Disability Services. Preferably, the student will make this request in person. If it is not feasible for the student to meet in person, the request for accommodation can be made in writing or via electronic mail. Requests for accommodation made to College personnel other than the Coordinator of Disability Services is not an official request for accommodation.

The request for accommodations should be made far enough in advance to allow the Coordinator of Disability Service adequate time to respond to the request. The lead time required to put accommodations into place will vary with the type of accommodation. For example, arranging to take a test in the Learning Center requires 48 hours notice. Requesting a sign language interpreter should be done at least three months prior to the start of classes to insure the availability of an interpreter. The specific time allowances for different accommodations can be found in the Disability Services Policies and Procedures, Procedure 6.00 available from the Coordinator of Disability Services.

All students are asked to provide documentation when requesting accommodations for two reasons. First, to establish that the individual is a person with a disability and, second, to determine appropriate accommodations. The documentation must establish that the person has a substantial limitation in a major life activity and is therefore an individual with a disability.

All documentation, regardless of source, should contain the following six essential features.

- A diagnostic statement identifying the disability, date of the current diagnostic evaluation, and the date of the original diagnosis.
- A description of the diagnostic criteria or diagnostic tests used.
- A description of how the disability effects one of the major life activities and the current functional impact of the disability.
- 4. Treatments, medications, assistive devices/services currently prescribed or in use.
- A description of the expected progression or stability of the impact of the disability over time should be included.
- Information describing the certification, licensure, and or the professional training of individuals conducting the evaluation.

Documentation may be required from more than one professional source in order to clearly identify the need for accommodations for individuals with multiple disabilities.

The age of the documentation will vary dependant on the type and nature of the disability. This variance occurs because some disability-related needs are static while others change rapidly. Detailed guidelines for documentation for each area of disability can be found within Procedures 3.01, which is available from the Coordinator of Disability Services.

The Coordinator of Disability Services shall make appropriate determination of reasonable accommodations for students based on appropriate documentation provided by the student. The authority to make such decisions on behalf of the institution has been assigned by the Vice President for Academic Affairs for academic program issues and by the Vice President for Business Affairs for non-academic program issues.

Once appropriate documentation has been supplied to the Coordinator of Disability Services and the determination has been made that the documentation supports the need for accommodation (see Policy 3.00), the student and Coordinator of Disability Services will draw up an Accommodation Plan. The Accommodation Plan will remain in effect until either (1) the plan's date of expiration passes or (2) the student requests an accommodation not previously listed on the plan. In the event of the second, the Accommodation Plan will be adjusted in accordance with the student's documentation supporting the request.

Specific procedures in terms of how to request particular accommodations, the amount of advance notice that must be given and who is in charge of various services will be delineated in Procedures 6.0 available from the Coordinator of Disability Services.

The student is responsible for notifying faculty of any accommodations that he or she may be accessing in relationship to the faculty member's class. The student will be given a memo from the Coordinator of Disability Services detailing the authorized accommodations.

If the accommodations listed in the *Accommodation Plan* are not provided or are not effective in providing equal access, the student should follow the procedures for filing a grievance listed in Policy and Procedure 9.00. The Grievance Procedures are available from the Coordinator of Disability Services, the Dean of Students, or the Vice President for Academic Affairs.

Missouri Southern State College may consider a course substitution and/or waiver as a reasonable accommodation when it is shown that a student's disability severely impacts his or her ability to complete a required course(s) for a degree program. The student should see the Coordinator of Disability Services to initiate this process.

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#### **Equal Opportunity**

Missouri Southern State College does not discriminate on the basis of disability, race, color, religion, national origin, sex or age in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its programs and activities, as specified by federal laws and regulations. The Director of Personnel is the designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and the Age Discrimination Act of 1967.

# **Student Activities**

TBA, Coordinator
Billingsly Student Center 102, 417.625.9320

The Coordinator of Student Activities works closely with other Student Services personnel and the Campus Activities Board in providing a variety of services for students, faculty and staff at Missouri Southern.

#### **Billingsly Student Center**

Billingsly Student Center 102, 417.625.9346

The Billingsly Student Center (BSC) is centrally located to provide convenient access to student services and facilities. The Student Center Office oversees reservations of the buildings, meeting rooms, lounges, ballrooms, and equipment for departmental, student organizational and off-campus meetings and events held in the Student Center. The Student Center Office also houses the all-campus lost and found, and must be contacted for approval of all forms of advertising on campus bulletin boards. BSC is home to the College Bookstore, the students' source of rental and purchase textbooks, classroom materials, campus clothing, and gift shop. The BSC Box Office, in room 112, handles ticket sales for both on-campus and off-campus activities and entertainment. The Lion's Den Snack Bar, serving breakfast and lunch, offers a variety of foods and beverages for every appetite. There is a large study lounge, convenience store, separate TV lounge, vending area, and a games area with four billiards tables, ping-pong, and video games.

#### **Student Activities Office**

Billingsly Student Center 102, 417.625.9320

Campus activities are scheduled in the Student Activities Office. The office also oversees the 91 recognized student organizations, publishes the monthly all-campus activities calendar, assists students in organizing or re-instituting student organizations, organizes and supervises Homecoming, and produces and promotes various special events.

#### **Campus Activities Board (CAB)**

Billingsly Student Center 100, 417.625.9669

The Campus Activities Board, a student organization supported by student activity fees, has the responsibility for programming social, educational and recreational activities for the entire college community. Students may volunteer to serve on one of the seven CAB committees: concerts, family events, novelty events, lectures, special events, tour and travel, and public relations. Interested students may attend the weekly meetings or stop by the CAB office on the lower level of Billingsly Student Center.

#### **Student Senate**

Billingsly Student Center 211, 417.625.9751

The Student Senate serves as the governing body for students and acts as a liaison between the faculty and the student body. The responsibility for student government rests not only with the student officers, boards and committees but also with each member of the student body. The Student Senate is made up of nine senators from each class, who are elected in the fall, and the executive officers, who are elected in the spring. The Student Senate is funded from student activity fees. Students wishing to speak with a Senate representative may do so via the Student Services Office on the second floor of the Student Center.

# Campus Recreation & Wellness Program

Darren Fullerton, Director BSC-211, 417.625.9392 Cindy Webb, Fitness Coordinator Y-114, 417.625.9533

The Campus Recreation & Wellness Department is comprised of six program areas under the Division of Student Services. The purpose of the Campus Recreation Program is to provide a wide variety of fitness, wellness, recreational, outdoor and sport related activities to the college community. The Campus Recreation Program offers activities for students, faculty, staff and their families. The Campus Recreation Program also offers activities on various days and times in an attempt to meet the needs of traditional and nontraditional students. The Campus Recreation Program conducts programming in the following areas: Intramural Sports, Wellness/Fitness, Aquatics, Outdoor Adventures, Open Recreation and Special Events.

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# **Office of Career Services**

Patricia Hurley, Director

Billingsly Student Center 207, 417.625.9343

Career Services assists students and alumni in the development of employability skills necessary to conduct a successful job search and in the location of full-time employment. Seniors and alumni can take advantage of oncampus interviews with representatives from business, industry, government and educational institutions. Students are encouraged to visit the Office of Career Services and/or register with the Southern Job Network (an on-line resume database system) at <a href="https://www.mssc.edu/career">www.mssc.edu/career</a> to take advantage of on-campus interviews, job listings, Career Development Day, Spring Job Expo, Education Job Fair, career success workshops, mock interviews, career advising, assistance in preparing resumes as well as many periodical and computer resources available in the career library.

Career Services is open Tuesday nights until 6:30 p.m. to better serve students and alumni.

# **Residence Halls**

Deb Gipson, Coordinator for Student Housing Student Life Center, 417.659.4460 Billingsly Student Center 211, 417.625.9522

The Missouri Southern on-campus residence requirement is as follows: "All freshmen and sophomores under the age of 21, are required to live in the Missouri Southern residence halls to the extent space is available, unless they are married, or are excused by the Coordinator of Student Housing."

The College provides air conditioned residence hall accommodations and meals for approximately 700 full-time students. Concerned with the total needs of the students, the College maintains a safe and comfortable place to live and an adequate physical environment as well as opportunities for learning. The atmosphere in the residence halls contributes significantly to the students' personal growth and maturity.

The residence halls are staffed by three full-time professional resident directors and 22 paraprofessional staff assistants. The programming body for resident students is the Residence Hall Association (RHA) which provides educational, social and athletic programs. Some RHA committees serve as a liaison between resident students and the College administration.

Residence hall rooms are fully furnished except for linens and personal items. Cable TV, study lounges, recreational areas, personal computers, vending machines, coin-operated laundry facilities and free local telephone service with voice mail and individual access codes are in the residence halls.

To reserve a room in a college residence hall, a prospective student should request an Application Contract for Room and Board Accommodations from the Missouri Southern Residence Life Office. The completed Application Contract should be returned to this office with a \$150 security deposit. The deposit is retained by the College as long as the student is in residence and refunded upon termination of the contract if all terms of the contract are fulfilled.

This contract, which is a combined contract for room and meals, is effective for the entire academic year (fall and spring semesters) or for the remaining portion of the academic year if entered into after the beginning of the fall semester. Detailed terms will be found on the contract form.

The College is not responsible for the loss of or damage to, any personal property of students.

For detailed rules and regulations governing residence hall living at Missouri Southern, contact the Coordinator of Student Housing, Room 102, Mayes Student Life Center or the Residence Life Office, Room 211, Billingsly Student Center.

# **Student Life Center**

Deb Gipson, Coordinator for Student Housing Student Life Center 102, 417.659.4460

The Dianne Mayes Student Life Center, opened in the fall of 1996, is a state-of-the-art facility focused on providing avenues for the social, recreational and physical development of Missouri Southern students. Located directly behind McCormick and Blaine Halls in the residence hall complex, the center has extended hours to better serve all students, both commuter and resident, plus faculty and staff.

The college cafeteria is located on the 2<sup>nd</sup> floor and operates on funds received from board payments from residence hall students and cash sales for individual meals. Other facilities, located on the 1<sup>st</sup> floor, include a large television lounge equipped with surround sound, a video game arcade, an aerobics room complete with setup for step aerobic and dance classes, a workout area supplied with a variety of cardiovascular and strength equipment, computer lab, laundry room, as well as table tennis, billiards, air hockey, game tables and a study area. The Mayes Student Life Center also serves as the location of a centralized information outlet, as well as a mailroom providing service to all resident students.

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For more information regarding the center's hours of operation, programs and policies governing the use of the facility, contact the Student Life Center Office, Room 102, Mayes Student Life Center.

**Food Service** 

TBA, Director of Food Service
Billingsly Student Center 206, 417.625.9546

Food service is bid by the College and handled by a professional food service company. The cafeteria operates on funds received from board payments and cash sales of individual meals.

All residence hall students must contract for board. Board contract includes a 20-meals-per-week program. Individual meals feature salad bar and unlimited servings, including entrees.

Commuter students interested in taking some or all of their meals at the college cafeteria may purchase 20-meal tickets in the Business Office. Also, separate breakfast, lunch or dinner tickets are available in the Food Service Office at a much reduced price compared to buying meals separately.

The new Lion's Den mini food court, located on the 2<sup>nd</sup> floor of Billingsly Student Center, offers a variety of food options for students.

College food service also features a gourmet coffee shop located on the lower level of the Spiva Library.

# **Student Health Services**

Jan Dipley FNPC, Coordinator of Health Services Kuhn Hall 306, 417.625.9323

The Student Health Center, is staffed with a full-time family nurse practitioner, a part-time women's health nurse practitioner, and a physician who is available for daily consultation. Appointments to see the nurse practitioner Monday through Friday from 8 a.m. to 4 p.m. can be made by contacting the Student Health Center. All currently enrolled students are eligible for treatment at the Center. Some of the services offered are: first aid and injury care, allergy injections, TB skin testing, flu shots (in season) and screening for certain illnesses. Most services are free; however, students are expected to pay for laboratory, x-ray, work/school physicals, emergency room, hospital services, gynecological, STD, prescriptions and ambulance service. The Health Center maintains files on current students, including medical history and immunization records. Recommendation and referral to community or campus resources are also part of student health services.

A voluntary accident and sickness insurance plan for students is available from the Student Services Office, Room 211, Billingsly Student Center.

#### **Communicable Diseases**

Students must submit have proof of immunization, including two doses of measles/rubella vaccine, to be kept on file in the Student Health Center. When a communicable disease comes to the attention of the College, whether student, faculty or staff member, the College's physician and nurse practitioner will assume responsibility for conducting a thorough review based upon the best medical and legal information available. Students who have not been properly immunized or who have not had these diseases may be banned from College property in the event of an outbreak on campus. Any actions taken will respect the confidentiality of the individual as well as the individual's welfare and that of the College community.

**Smoking and Tobacco Use Policy** 

The Board of Regents of Missouri Southern State College prohibits smoking and tobacco use of any kind. Tobacco products are not permitted in any campus buildings. Smoking and other tobacco usage is permitted only outside of buildings.

# **Intercollegiate Athletics**

Sallie Beard, Athletics Director

Leggett & Platt Athletic Center 148-C, 417.625.9574

Robert Corn, Assistant Athletics Director

Leggett & Platt Athletic Center 148-B, 417.625.9330

The purpose of the Missouri Southern Athletic Department is to empower student-athletes with the confidence and ability to succeed. The Athletic Department feels its most important responsibility is to assist its student-athletes in reaching their highest potential as they strive for excellence academically, athletically, and socially within a diverse and challenging society.

The Athletic Department also serves as a means of gaining public attention for the College. While this public attention, as well as the entertainment aspects of intercollegiate sports, must be recognized, they are secondary in importance to the role of athletics in the total educational program.

The staff of the Athletic Department provides quality programs for students who express an interest in various sports, as well as in athletic training, sports information and athletic marketing. Male and female students have similar opportunities to participate in athletic activities with appropriate support.

The College is a member of the Mid-America Intercollegiate Athletics Association and the National Collegiate Athletic

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Association Division II. College teams compete on the intercollegiate level in baseball, basketball, cross country, football, golf, soccer, softball, tennis, track & field, and volleyball.

# **Student Policies**

#### **Student Conduct**

In order to provide the best possible environment for personal and intellectual growth, the College has established regulations to guide student conduct. A summary of these rules and regulations is found in the Student Handbook which may be obtained from the Student Services Office, Room 211, Billingsly Student Center.

#### **Drug and Alcohol Prevention Program**

Pursuant to the Drug-Free Schools and Communities Act Amendments of 1989, Missouri Southern State College has established a drug and alcohol prevention program for its students. The College's program is described below.

Substance Abuse Policy: Students are prohibited from using alcoholic beverages and illegal drugs on Collegeowned or controlled property and at College-sponsored or supervised activities. Irresponsible alcohol or other drug use off campus resulting in disorderly conduct on campus also is not acceptable. Any student of Missouri Southern State College found to have manufactured, dispensed, possessed or used a controlled substance in violation of the Substance Abuse Policy of this College will be subject to discipline in accordance with College policy and reported to local, state or federal law enforcement authorities for criminal prosecution. Criminal prosecution for these acts could lead to a conviction and such a conviction could result in a sentence

imposing a monetary fine, imprisonment in a state or federal penitentiary or both.

Health Risks: Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks:

Alcohol and other depressants (barbiturates, sedatives and tranquilizers): addiction, accidents as a re-

sult of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

Marijuana: addiction, panic reaction; impaired short-term memory; increased risk of lung cancer and emphysema, particularly in cigarette smokers; impairment of driving ability.

**Cocaine:** addiction, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

Hallucinogens (acid, LSD, PCP, MDMA, etc): unpredictable behavior, emotional instability, violent behavior, organic brain damage in heavy users, convulsions, coma.

Narcotics (heroin, Demeral, morphine, Codeine, etc.): addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

Inhalants (gas, aerosols, glue, nitrites, etc.): loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

**Methamphetamines:** addiction, irritability, sleeplessness, nervousness, sudden weight loss, pungent body odor, protrusion of eyes.

**Resources:** A variety of resources exist for drug or alcohol counseling, treatment or rehabilitation programs. A few are listed inside the front of the *Student Handbook*. For more detailed information concerning these resources and others available from the College and/or community agencies, students may contact the Student Support Center (417.625.9595) or the Student Services Office (417.625.9392). Such referrals will respect individual confidentiality.

A main objective of the drug and alcohol prevention program is to encourage healthy attitudes and behaviors on the part of all students and responsible decisions about alcohol/drug use. Another objective is to provide students in certain high risk groups (freshman, Greeks, athletes, residence hall students, etc.) with specific and up-to-date information regarding the long-and-short-term effects of alcohol/drug use. A final objective is to provide students with the necessary skills to help them carry out the decisions they have made in regard to their use or nonuse of alcohol/drugs, and how to effectively handle certain "high pressure" situations.

To meet the above objectives, information and assistance is provided to students in several ways. First, alcohol and drug films are shown and programs conducted in all orientation classes, which are required for all new students. Additional alcohol and drug information is presented in other academic classes, including Kine 103, Lifetime Wellness. Pamphlets about alcohol and drug use are distributed each semester in residence hall rooms and in the Student Center. Special alcohol and drug training is provided annually for residence hall staff and orientation leaders.



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The athletic department provides a program for varsity athletes. Special alcohol and drug programs are presented throughout the year. Active drug testing is done. A committee of counselors, teachers and clergy are available to assist varsity athletes.

The Student Services Office, Student Support Center, Campus Activities Board and the Residence Hall Association provide alcohol and drug programs throughout the year for all students.

#### **Sexual Harassment Policy**

Missouri Southern State College is committed to the principles of equal opportunity and does not discriminate on the basis of race, age, sex, religion, national origin or handicap. The U.S. Equal Employment Opportunity Commission has issued guidelines: It is the policy of Missouri Southern State College that no member of the campus community may sexually harass another individual. Sexual harassment defined as the use of one's authority or power to coerce another into unwanted sexual relations or to punish another for his/her refusal, or the creation by a member of the college community of an intimidating, hostile or offensive working education environment through repetitive verbal or physical conduct of a sexual nature, shall be a violation.

Any student with a sexual harassment complaint should contact the Dean of Students.

#### **Campus Security Act Policies and Procedures**

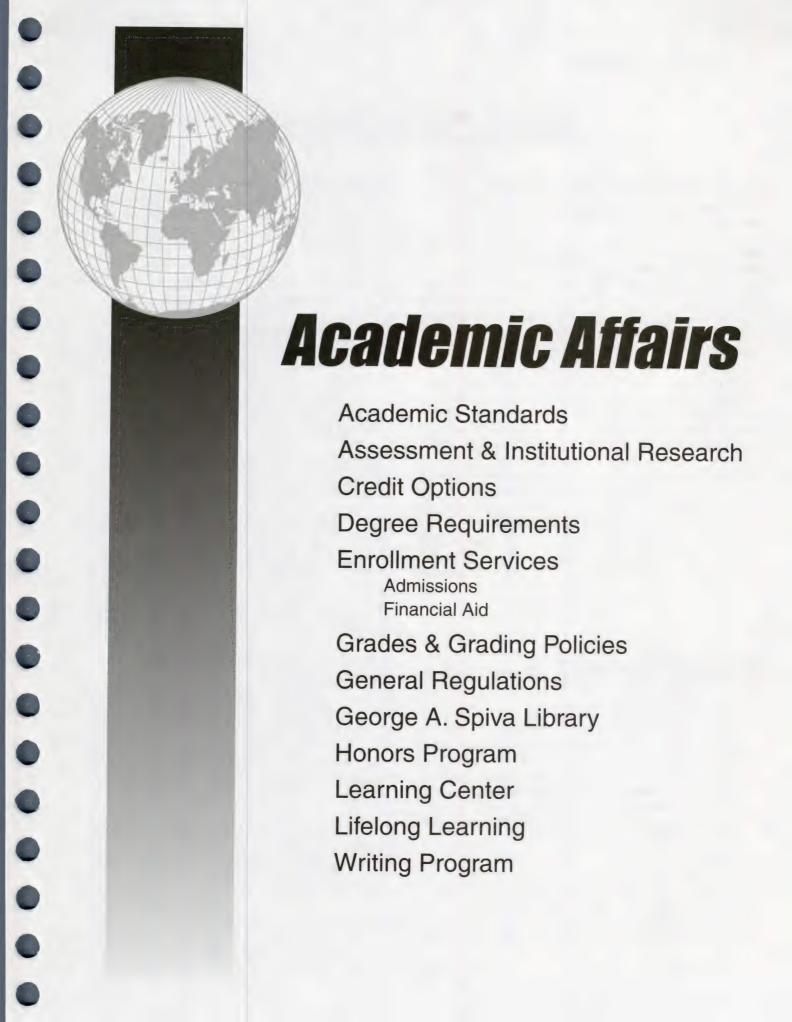
- All campus crimes should be reported immediately to Campus Security. Campus security officers are available on campus 24 hours of every day. The number to call for on-campus personnel is extension 2222. Offcampus personnel should call 626-2222 during the weekday office hours of 7 a.m.- 4 p.m. After hours, weekends and holidays, the number is 437-0390. This will contact the security officer on duty directly via cellular phone. Each call will be responded to by a campus security officer.
- All academic buildings are locked each evening and during the weekends. One security officer makes nightly rounds, using a computerized security key system. All

residence halls, except Blaine Hall, are locked at midnight Sunday-Thursday and 2 a.m. on Friday and Saturday. Individual keys are issued to each resident student. Another security officer is on duty in the residence hall area from 11 p.m. to 7 a.m. each day.

- 3. The Security Department personnel are not commissioned law enforcement officers. However, each officer has completed the coursework necessary to meet the state requirements to be commissioned. There is an excellent working relationship between the department and the city and county law enforcement agencies. All employees and students are directed to report all occurrences of any criminal activity to the Campus Security. Campus Security is directed to report all felonies and other crimes reported on the uniform crime report sent to the NCIC to the Joplin Police Department.
- 4. These policies and procedures are published in the Student Handbook which is distributed to all freshmen students. Each semester during freshman orientation, seminars are given covering date rape, safety tips and security procedures.
- Crime prevention programs are presented each semester by the Campus Activities Board, Student Services and Residence Hall Association. Pamphlets regarding crime prevention are distributed to all resident students and are made available to all students in the Student Center.
- MSSC does not have off-campus student organizations recognized by the institution.
- Crime statistics are available in the Campus Security
   Office as well as on the internet at <u>www.mssc.edu</u>

#### **Student Identification Cards**

The student identification card is produced by the College and issued to all students as a means of personal identification. The College reserves the right to request a student to produce the I.D. card at any time deemed necessary. The student I.D. is a service to students currently enrolled who wish to use college facilities and services. The first student I.D. costs \$2.00; replacement cost for lost cards is \$5.00. Student I.D. cards may be obtained at the Campus Security Office.



# **Academic Affairs**

#### Vice President for Academic Affairs

J. Larry Martin Hearnes Hall 200, 417.625.9394

Staff: John Messick, Dean, School of Arts and Sciences; James M. Gray, Dean, School of Business Administration; Michael J. Horvath, Dean, School of Education; Tia M. Strait, Dean, School of Technology; Betsy Q. Griffin, Assistant Vice President/Grants Writer; Sandra Hamlin, Registrar; Delores A. Honey, Assistant Vice President for Center for Assessment and Institutional Research; Eillen A. Godsey, Director of the Learning Center; Patricia P. Kluthe, Director of Honors Program; Karl J. Schmidt, Assistant Director of Honors Program; Derek S. Skaggs, Director of Enrollment Services; Kelly Wilson, Director of Student Support Center; Patricia Hurley, Director of Career Services; Wendy McGrane, Library Director

The Office of the Vice President for Academic Affairs is responsible for the administration of the instructional programs both on and off campus. The Learning Center, the Honors Program, the Writing Program, the Assessment and Institutional Research Office, the Library, the Grants Office, Registrar's Office, Admissions Office, Student Support Center, Career Services and all academic units are under its direction.

# **Academic Standards**

### Good Standing and Eligibility

Students enrolled at Missouri Southern are in good academic standing when they meet the standards of progress toward graduation as described below. Those falling below the prescribed norm will be placed on academic probation. Persons failing to achieve normal progress toward graduation during the probationary period are subject to academic suspension. Students receiving financial aid must meet the good standing criteria described below.

Those students competing in intercollegiate athletics or in organizations representing the College off campus shall be required to satisfy minimum standards of progress, as indicated below, following the completion of the first academic year in order to maintain future eligibility in these programs.

#### Standards of Progress Toward Graduation\*

A student's cumulative grade point average (GPA) is used to evaluate progress. If the grade point average falls below the minimum standards of progress, the work is considered unsatisfactory.

Progress toward a degree is computed on the following grade point averages:

#### A. For Associate Degree

Hours Atte	empted	Grad	de	P	oi	nt	A	ve	rage
1-22	semester	hours							1.6
23-33	semester	hours							1.7
34-44	semester	hours							1.8
45-55	semester	hours							1.9
56 & Ab	ove								2.0

#### **B.** For Baccalaureate Degree

Hours Atte	mpted Gra	de Point Average
1-22	semester hours	1.5
23-44	semester hours	1.6
45-66	semester hours	1.7
67-88	semester hours	1.8
89-110	semester hours	1.9
111 & A	bove	2.0

\*Students who receive financial aid must comply with federal standards. The above may not reflect those standards.

# Academic Probation, Suspension and Reinstatement

Each student should consider a grade point average of less than 2.0 as a warning. Those falling below the standards of progress toward graduation will be placed on academic probation. If the grade point average is not raised to the minimum standard of progress during the probationary semester, the student is subject to immediate academic suspension from the College.

A student receiving academic suspension may not enroll at Missouri Southern for one semester. Re-entry may be denied by the Vice President for Academic Affairs, if the student cannot present evidence that indicates a high probability of academic success.

#### **Academic Bankruptcy**

A student may petition the Academic Bankruptcy Committee to request one semester of academic work be disregarded in computing the academic record. To be eligible for petition-

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ing, a student must be currently enrolled, in good standing and must document the unusual conditions which justify the petition. The petition is initiated in the Registrar's Office.

Academic Bankruptcy can never be used as a means of obtaining academic honors or athletic eligibility. Academic Bankruptcy will not remove grades from the student's

permanent record. It merely allows one semester of recorded work to be eliminated in computing the student's scholastic average. Academic Bankruptcy can not be applied to transfer courses.

#### **Repetition of Courses**

Students may repeat courses in which grades "F, D, C, or B" have been earned. When a course is repeated, the first grade will not be removed from the record, but the latest grade will be used when computing grade point averages.

#### Honor Roll

An Honors or Deans' List, issued at the end of each semester, contains the names of full-time undergraduate students who have a 3.75 grade point average or higher with no incomplete grade or a grade below "C."

#### **Graduation Honors**

In recognition of superior scholarships, the College awards honors to associate degree and baccalaureate degree graduates. Honors listed below are not earned until courses are completed, graded and posted on the student's permanent record.

Associate Degree — The student must have completed a minimum one half of the hours required for the degree in residence at Missouri Southern State College. The cumulative grade point average required to receive:

First Honors	3.90-4.00
Second Honors	3.80-3.89
Third Honors	3.70-3.79

**Baccalaureate Degree** — Eligibility for any one of the following three honors requires the candidate to study all the junior and senior years at Missouri Southern and earn a minimum of 60 hours of credit:

Summa Cum Laude	3.90-4.00
Magna Cum Laude	3.80-3.89
Cum Laude	3.70-3.79

#### Revised Standards for Veterans Educational Benefits

The Revised Standards for Veteran's Educational Benefits as adopted by the State Board of Education on February 17, 1977, are available in the Veterans Affairs Office. Each Veteran should see the Veterans Representative regarding these policies.

Any exceptions to the regulations above must receive written approval from the Vice President for Academic Affairs.

#### Special Policies for Financial Aid Recipients

Special policies and regulations governing financial aid recipients are filed in the Financial Aid Office, the Business Office and the Office of the Vice President for Student Services.

# **Degree Requirements**

#### **Catalog Time Limit**

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first registration at MSSC provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSC during the year of the catalog selected.

**Transfer Student:** The MSSC catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school during the year of the catalog selected.

#### **Developmental Courses**

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The college reserves the right to require these students to take precollege courses in mathematics, composition, study skills or intensive English prior to participation in regular college classes.

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#### **Course Numbers and Levels**

Course Numbers:

0- 99 Not applicable toward the baccalaureate degree

100-199 Primarily for freshmen

200-299 Primarily for sophomores

300-399 Primarily for juniors

400-499 Primarily for seniors

Normally, courses numbered 100-299 are considered lower division level courses and those numbered 300-499 are upper division level courses. There are more significant distinctions between the lower and upper division courses than within the levels of the lower and upper division courses.

Freshmen are not allowed to take any course above the 200 level unless qualified by advanced placement tests. The exception is infrequent.

All courses offered are listed in the catalog. Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

The student should check the catalog description of the course to see whether the second semester of a sequence course makes the first semester a prerequisite.

#### **Baccalaureate Degree Requirements**

- A. Residence: The following minimum requirements must be met in residence at Missouri Southern: (1) 30 of the last 36 hours counted toward the degree; (2) one-half of the courses both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division courses both required for the major and in the major department.
- B. Credit Hours: At least 124\* semester hours of college credit applicable to a baccalaureate degree are required for graduation. (128 hrs. prior to the year 2003)

# \*Effective for the Class graduating May 2003.

- C. Grade Point Average (GPA): The following minimum GPAs are required for all baccalaureate degrees except the B.S.E.:
  - 1. a 2.0 GPA for all credit hours attempted;
  - a 2.0 GPA for all the courses required for the major, both inside and outside the major department;

a 2.0 GPA for all courses, both required and elective, taken in the major department.

The following minimum GPAs are required for the B.S.E.:

- 1. a 2.75 GPA for all credit hours attempted;
- 2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
- a 2.50 GPA for all courses, both required and elective, taken in the major department;
- a grade of C or better in professional education courses and courses required for elementary education, special education and early childhood.
- D. Upper Division Hours: A minimum of 40 semester hours in upper division courses (those with numbers in the 300's and 400's) must be completed to meet the graduation requirements. Reasonable adjustments are made for three-one affiliation programs.
- E. Writing Intensive: Five writing intensive courses will be required of all baccalaureate degree candidates. Six hours must be completed in the freshman year and two of the three remaining courses must be taken at the junior and/or senior level. One upper division course must be taken in the student's major. (Writing Intensive courses may be identified in the "schedule of classes" by a "WI" placed at the end of the course number. Example: Psy 481 Senior Thesis WI.) Students transferring to Missouri Southern from another college will fulfill the Writing Intensive requirement as follows:

Total hours at time of transfer to Missouri Southern:

Minimum Writing Intensive courses required:

Fewer than 30 hours

Five courses as outlined above

30 to 89 hours

Four courses, with at least two at the junior/senior level, one of which must be in the major

90 hours or more

Three courses, one must be in the major and at the junior/senior level

F. Foreign Language: All students expecting to graduate with a bachelor of arts degree must successfully complete 12 hours of the same foreign language as a part of the graduation requirements.

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- G. Special Education: All students expecting to graduate with a bachelor of science in education degree must successfully complete two hours of Special Education (Educ 302) as a part of graduation requirements.
- H. Computer Literacy: All students will receive computer instruction to a level of understanding necessary for them to function as a member of society and to a level of skill sufficient to use the computer for problem solving within their discipline. Department heads will certify the competency of the students in their disciplines.
- Assessment: All degree candidates are required to participate in College assessment of outcomes activities.
- J. Core Curriculum Requirements: Missouri Southern has a Core Curriculum program that contributes toward the development of the whole person, as an individual and as a member of society. All degree candidates must satisfy the following Core Curriculum requirements:

#### **Baccalaureate Degree Core Requirements**

Are	ea 1. Basic Requirements	Required
	English Composition	6
	Freshman Year (Eng 101 and 102 OR	· ·
	achievement in the required	
	competency level can be done	
	in Eng 111 in 3 hours)	
B.	Communication	3
	Comm 100 Oral Communication	
C.	Mathematics (120 or above)**	3
	Total for Area 1	12 Hours

3

3

3

9 Hours

# Area 2. Humanities and Fine Arts A. Select One

	Art 110 Art Appreciation	(3)
	Mus 110 Music Appreciation	(3)
	Th 110 Theatre Appreciation	(3)
B.	Select One	
	Eng 261, 262 World Literature	(3)
	Eng 271, 272 British Literature	(3)
	Eng 281, 282 American Literature	(3)
C.	Select One	
	Eng 150 Introduction to Literature	(3)
	Eng 305 Short Story	(3)
	Eng 261, 262 World Literature	(3)
	Eng 271, 272 British Literature	(3)
	Eng 281, 282 American Literature	(3)
	Phil 201 Introduction to Philosophy	(3)
	Phil 212 Ethics	(3)
	Art 110 Art Appreciation	(3)
	Mus 110 Music Appreciation	(3)
	Th 110 Theatre Appreciation	(3)

Total for Area 2

Are	a 3.	Natu	ral Science and Behavioral Sciences	
A.	Bio	101	General Biology**	

B.	Phy 100	Fundamentals of Physica	al Science**	5
C.	Select on	e		3
	Psy 100	General Psychology	(3)	
	Soc 110	Socialogy	(2)	

Soc 110 Sociology (3)

Total for Area 3 12 Hours

#### Area 4. American Cultural Studies

Α.	AND	U.S. History 1492-1877	3
	Hist 120 OR	U.S. History 1877-Present	
	Hist 320	U.S. History 1877-Present	3
B.	PSc 120	Gov't: U.S., State, Local	3

**Total for Area 4** 

42 Hours\*

9 Hours

3

3

3

9 Hours

#### Area 5. MSSC Special Emphasis

Α.	Internation Select On	nal Cultural Studies		
		Physical Anthropology		
		and Archeology	(3)	
	Anth 342	Comparative Cultures	(3)	
	C.IAd 301	International Justice		

	Systems	(3)	
Comm 305	Intercultural Communication	(3)	
Eng 385	Continental Novel	(3)	
Foreign La	nguage	(3)	
Geog 211	Regions and Nations	(3)	

Systoms

Geog 310 Human & Cultural Geog (3)
Hist 130 or 140 Western Civ (3)
Hist 150 Asian Civilizations (3)
IB 310 International Business (3)

IntS 201 Introduction to
International Studies (3)
Phil 320 Comparative Religion (3)
Soc 303 The Arab World (3)

B. Health and Wellness

Kine 103 Lifetime Wellness\*\* (2)

Kine 101 Physical Activity\*\*\* (1)

C. Economics
Econ 180 American Economic System (3)

(Majors and minors in business should take Econ 201)

Total for Area 5

#### Total Core Curriculum Requirements 51 Hours

\*Areas 1 - 4 of the Core Curriculum constitute the 42 semester hour block that meets the State of Missouri General Education goals. This block should be considered equivalent to corresponding 42 semester hour blocks of credit at other public and signatory institutions in Missouri.

\*\*See degree requirements listed in the Catalog for courses that are substituted for specific majors.

\*\*\*A student with a *documented* disability who feels that he/she cannot fulfill this requirement should see Melissa Locher, Coordinator of Disability Services, at the Learning Center (417.625.9373).

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#### 298-398-498 Classes

Classes numbered 298, 398 or 498 may not be counted toward Core Curriculum credit.

#### Major or Area of Interest

All students will be required to declare their degree sought, their major (or area of interest), their status (regular or other) and whether they will attend half-time or full-time. A major provides in-depth study of a discipline and prepares the student for a career or advanced study.

#### **Academic Minor**

Selected departments have developed an academic minor that in conjunction with the major strengthens the student's vocational preparation. A minor requires at least 18 semester hours of prescribed courses. At least six semester hours must be upper division and at least nine semester hours must be in residence. The overall GPA requirement is 2.0.

#### A Bachelor of General Studies (B.G.S.) Degree

The B.G.S. degree is a viable alternative for a few individuals who may wish thorough preparation for a career in a specific field, that does not correspond to an existing major. To pursue this option the student should consult with the Registrar regarding the degree.

### **Associate Degree Requirements**

#### **Associate of Arts Degree**

- A. Residence: The last 15 semester hours must be completed in residence at Missouri Southern.
- B. Credit Hours: A minimum of 64 semester hours must be completed.
- C. Grade Point Average: Minimum cumulative and major field grade point average must be 2.0.
- D. Major Field: The student must meet the course requirements of the particular preprofessional program selected. Or, the degree may consist of the general education courses plus additional hours, adding up to 64, as approved by the adviser.
- E. Core Curriculum Requirements: The degree requires completion of the following Core Curriculum requirements:

	Credit Hours
Area 1. Basic Requirements*	Required
A. English Compositions	6
Freshman year (Eng 101 and Eng 102	
OR achievement in the required	
competency level can be done	
in Eng 111 in 3 hours)	
B. Communication	3
Comm 100 Oral Communication**	
C. Mathematics (120 or above)**	3
Total for Ar	ea 1 12 Hours

#### Area 2. Humanities and Fine Arts\*

A.	Fine Arts	Select One		
	Art 110	Art Appreciation	(3)	
	Mus 110	Music Appreciation	(3)	

	Th 110	Theatre Appreciation	(3)	
B.	Literature	Survey Select	One	3
	Eng 261, 2	262 World Literature	(3)	
	Eng 271, 2	272 English Literature	(3)	
	Eng 281, 2	282 American Literature	(3)	
C.	Humanitie	s Elective Select	One	3
	Eng 150	Introduction to Literature	(3)	
	Eng 305	Short Story	(3)	
	Eng 261, 2	262 World Literature	(3)	
	Eng 271, 2	272 English Literature	(3)	
	Eng 281, 2	282 American Literature	(3)	
	Phil 201	Introduction to Philosophy	(3)	
	Phil 212	Ethics	(3)	
	Art 110	Art Appreciation	(3)	
	Mus 110	Music Appreciation	(3)	
	Th 110	Theatre Appreciation	(3)	
		Total for A	rea 2	9 Hours

#### Area 3 Natural Sciences and Behavioral Sciences\*

MIC	a J. Hatuit	al ociences and benavioral ocie	11003
A.	Bio 101	General Biology**	4
B.	Phys 100	Fundamentals of Physical Science	ce** 5
	Behavioral		3
	Psy 100	General Psychology (3)	
	Soc 110	Introduction to Sociology (3)	
		Total for Area 3	12 Hours

Are	ea 4. Amer	ican Cultural Studies*		
A.	U.S. Histo	ry		6
	Hist 110 AND	U.S. History 1492-1877	(3)	
	Hist 120	U.S. History 1877-Present	(3)	
B.	3. Government		3	
	Psc 120	Gov't: U.S., State, Local	(3)	
		Total for Ar	ea 4	9 Hours

**Total Core Curriculum Hours** 42 Hours\*\* \*Occasionally, selected courses may be substituted for this area.

\*\*See degree requirements listed in the Catalog for courses that are substituted for specific majors.

\*\*\*Areas 1-4 of the Core Curriculum constitute the 42 semesterhour block that meets the state of Missouri general education goals. This block should be considered equivalent to corresponding blocks of credit at other public and signatory institutions of Missouri.

#### **Associate of Science Degree**

- A. Residence: The last 15 semester hours must be completed in residence at Missouri Southern.
- Credit Hours: A minimum of 64 hours must be completed.
- C. Grade Point Average: The minimum cumulative and major field grade point average must be 2.0.
- D. Major Field: The student must meet the course requirements in the particular program of study as approved by an adviser.
- Core Curriculum Requirements: The degree requires completion of the Core Curriculum courses as well as those outlined in the student's major field of study. The Core Curriculum required courses are:

Credit Hours Required Area 1. Basic Requirements\*

-				
A.	Eng 101	English Composition		3
B.	Comm 100	Oral Communication**		3
C.	Math 30	(or above)**		3
D.	Health and	Wellness		3
	Kine 103	Lifetime Wellness (2)		
	Kine 101	Physical Activity (1)		
		Total for Ar	ea 1	12 Hours
Ar	ea 2. Human	ities and Fine Arts*		
A.	Fine Arts	Select One		3
	Art 110	Art Appreciation	(3)	
	Mus 110	Music Appreciation	(3)	
	Th 110	Theatre Appreciation	(3)	
	Any Literatu	ire Course except 325	(3)	
	Phil 201	Introduction to Philosophy	(3)	
	Phil 212	Ethics	(3)	
		Total for Are	ea 2	3 Hours

#### Area 3. Natural Science\*

Select One:		
Bio 101	General Biology**	4
Phys 100	Fundamentals of Physical Science**	5
	Total for Area 3	4-5 Hours

#### Area 4. Social and Behavioral Sciences\*

	Α.	Hist 110 or	Hist 120 United States Hist	tory	3
N	B.	***Missouri	Constitution Requirement		
	C.	Select One	):		3
		Psy 100	General Psychology	(3)	
h		Soc 110	Introduction to Sociology	(3)	
,		Econ 180	American Economic System	** (3)	
			Total for Ar	ea 4	6 Hours
	Tot	al Core Cur	riculum Requirements		25-26 Hours

\*Occasionally, selected courses may be substituted for this area.
\*\*See degree requirements listed in the Catalog for courses that are substituted for specific majors.

\*\*\*This requirement may be satisfied with credit from a Missouri public college, or PSc 120 Government: U.S., State & Local or by an examination. Examination information is available from the Dean of Arts and Sciences.

Core Curriculum courses required for the associate of science degree typically do not completely fulfill the Core Curriculum requirements for the baccalaureate degree.

When the curriculum requirement for an associate of science degree specifies a different course in the discipline than those listed above, the specified course may meet the Core Curriculum requirements for that degree.

#### Graduation

A. Graduation Requirements: The responsibility for satisfying all requirements for a degree rests with the student. Advisers, faculty members and administrators offer help to the student in meeting this responsibility.



- B. **Time of Graduation:** A student may complete graduation requirements at the close of any semester. Formal commencement exercises are held and degrees are conferred at the close of the fall and spring semesters. Students who will complete graduation requirements at the close of summer semester may participate in spring commencement exercises.
- C. **Placement Services:** Each degree candidate must register in the Office of Career Services.
- D. Degree Candidacy Application: Each student must make application for degree candidacy during the semester preceding the last semester in attendance. The application process is initiated at the Office of Career Services.
- E. Senior Assessment: All graduating seniors are required to complete a Core Curriculum and a departmental exit assessment before the baccalaureate degree is awarded. Effective: July 1, 1988.

# State Legislation Requirements

Section 170.011 of the Revised Statutes of Missouri, 1989, prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have "satisfactorily passed an examination of the provisions and principles of the Constitution of the United States and of the State of Missouri, and in American History, and in American Institutions".

All students who have completed the Core Curriculum requirements at Missouri Southern meet the requirements of Missouri law.

Out-of-state transfer and post-graduate students who do not complete their core curriculum at Missouri Southern may comply with the law by:

 completing courses at MSSC embracing the subject matter specified by the law and receiving credit therein, preferably before admission to senior college work; or

(2) certification of the completion of such requirements in another collegiate institution and passing a special examination on the Missouri Constitution.

School Laws of Missouri, 1974, require that persons cannot be granted a certificate or license to teach in the public schools of Missouri unless they have satisfactorily completed a course of two or more semester hours in the psychology or education of the exceptional child. This requirement can be met by taking Psy 302 or Educ 302.

# Grades and Grading Policies

# **Grading System**

A student's grade is officially recorded by letter. At Missouri Southern, the following grades and their numerical equivalents are used:

Grade		Grade Points
Α	Outstanding	4
В	Above Average	3
C	Average	2
D	Minimum Passing	1
F	Failing	0
W	Withdrawal	

The current policy for the "W" grade is as follows:

- (a) Course withdrawals will be permitted through the first week of the semester without any grade recorded.
- (b) Course withdrawal during the second through the ninth week of the semester will be indicated by a "W" posted to the record.
- (c) Course withdrawals are not permitted after the ninth week of the regular semester (or its equivalent). A student who stops attending class without officially withdrawing is in jeopardy of receiving an "F" in the course.
- (d) A student who completely withdraws from College prior to the last week of classes in a semester may receive a grade of "W" in all courses in which the student is enrolled.

# Credit/No-Credit System of Grading

Students in some programs may register to take certain courses on a credit/no-credit basis. In such cases, "Credit" or "No-Credit" will be recorded rather than a letter grade and these courses will not be counted in grade point averages. This program will permit a student to explore course work outside of

the major without jeopardizing the grade point average. The minimum performance level required to receive credit in a credit/no-credit course is a grade of "D". Students may be eligible to enroll for certain courses on a credit/no-credit basis under the following conditions:

- That such registration be approved by the adviser and the head of the department through which the course is offered.
- 2. That the student has attained sophomore rank, or higher (30 or more hours).
- 3. That the student has achieved a cumulative grade point average of at least 2.0.
- That such enrollment be limited to one course per semester.
- That the total enrollment on a credit/no-credit basis be limited to no more than three courses or 10 credit hours in any student's degree program.
- 6. That the courses involved are not part of the student's major or minor and are not specifically required as part of the student's degree program. (Hours beyond the minimum required for the major or minor may be taken on a credit/no-credit basis.)
- That the courses involved are not part of the Core Curriculum requirement.
- 8. Normally, registration for credit/no-credit courses will be completed prior to the final date for changing registration by adding a course.
- After a student has enrolled in a course under the credit/no-credit option, that individual may not subsequently change to a graded basis in that course.

This policy does not apply to those courses regularly designated as credit/no-credit courses. Such courses are Mus 240 Recital Attendance, Educ 462 Student Teaching.



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Incomplete (I): A grade of "I" may be reported if a student is unable to complete the work of the course within the semester for a valid reason such as illness, death in the family, an emergency, etc. It is not intended as a substitute for an "F" and does not entitle a student to attend the class during a subsequent semester. An incomplete must be made up by the end of the next semester (excluding summers) or it will be converted to an "F" automatically. Both credit and grade points for that course are suspended until the incomplete is converted to either a passing grade or an "F". A student may not graduate with an incomplete grade.

Audit (AU): A student may audit a class for no grade and no credit. Acceptable performance, attitude and attendance as determined by the professor are expected. Regular fees and enrollment procedures are required. A student may not change enrollment from audit to credit nor from credit to audit. An audit means only that a student registered for the course. It does not imply any level of proficiency or knowledge.

Change of Grade: A change is initiated by the faculty member by filing a Change of Grade form with the Registrar. No change of grade is to be made without good cause. Exceptional cases will be reviewed by the school dean and Vice President for Academic Affairs.

Independent Study: Independent study courses are special courses which may be taken by outstanding students at the discretion of the faculty adviser and the appropriate college officials. Students may enroll in independent study courses for a total of three hours on the associate degree and a total of six hours on the baccalaureate degree providing they:

have completed
 hours toward the Associate Degree
 hours toward the Baccalaureate Degree

2. have a minimum cumulative 3.00 GPA;

3. have permission of the adviser, department head and the school dean in the area of independent study.

Independent study is designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Substituting independent study for a regular course is seldom done.

Posting of Grades: College legal counsel advises that the public posting of a student's name and grade, or student number and grade, without the student's approval, is a violation of the Buckley Amendment (Family Education Rights and Privacy Act of 1974) which does not allow disclosure of recorded data or information without the individual's written consent.

Official Transcript: An official transcript of the student's academic record bears the Registrar's signature and the College seal. Missouri Southern assumes no responsibility for the accuracy of a transcript after it leaves the Registrar's Office.

Up to two weeks must be allowed after the close of a semester for the issuance of an up-to-date transcript. The transcript request must be made in writing. No transcript will be issued unless all bills at Missouri Southern are paid or are current according to agreement with the Business Office.

# **General Regulations**

# Classification of Students

A. By Class

Freshman: 0-29 Hours Sophomore: 30-59 Hours Junior: 60-89 Hours Senior: 90 and above

Special Admission: See page 44.

B. Postgraduate:

Persons having completed a baccalaureate degree but taking courses for the purpose of teacher certification, job preparation and additional degree or personal profit.

C. Full-time:

A student enrolled for 12 or more semester hours.

D. Half-time:

A student enrolled in 6-11 semester hours.

E. Less Than Half-time:

A student enrolled in fewer than 6 semester hours.

# Concurrent Enrollment

A student who is enrolled in residence at Missouri Southern and who desires to earn credit concurrently at another institution or through correspondence, extension, or advanced standing examination must secure advanced approval from a School Dean.

# **Combined Degree Programs**

Missouri Southern State College has established combined degree programs for Environmental Health and for Medical Technology. Specific requirements for these programs are included in the program descriptions. Combined degree programs operate under the following regulations:

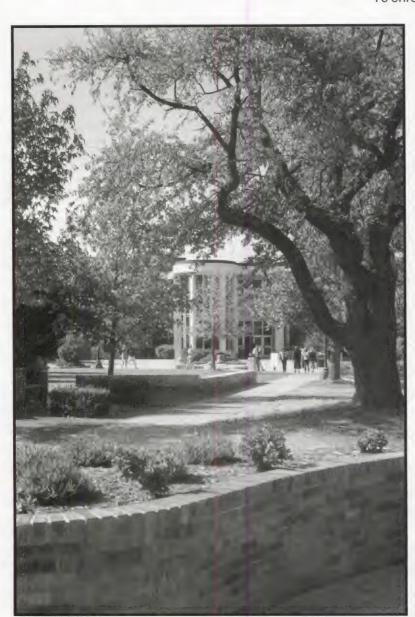
- Complete 94 hours at Missouri Southern State College. Transfer credit will be considered, but the last 30 of the 94 hours must be earned at MSSC.
- 2. The 94 hours must include the completion of the Core Curriculum requirement.
- 3. Sixteen out of the last 94 hours must be upper division (300 and 400 level courses).
- 4. All applicable "Requirements for Graduation" as stated in the Missouri Southern State College catalog must be

met including the application for degree candidacy, and the filing of credentials with the Career Services Office.

 A transcript from the institution with which a combined degree agreement is arranged must be provided in order to complete the requirements for a degree.

# Co-Admission

Students who enroll at Crowder College but meet the admission requirements of Missouri Southern and plan to transfer to Missouri Southern may apply for Co-Admission. The application will be done by the Crowder College Admission Office. Records for co-admitted students will be maintained at both institutions. Missouri Southern will assist in the academic advising of co-admitted students prior to transfer to Missouri Southern.



# Second Baccalaureate Degree

A student may receive a second baccalaureate degree after completing the first degree and all the requirements of the second degree. A student may not earn the same degree more than once, even though the majors differ. The residency rules apply. See item A under Baccalaureate Degree requirements, page 33.

# Transcript Below "C" Average

Students who are accepted with a below "C" transcript and who are below the minimum standards for progress will be placed on Academic Probation. Missouri Southern accepts all grades from any equally accredited institution including both "D's" and "F's".

# **Maximum Credit Hour Load**

To enroll in more than 18 semester hours during a semester or in more than nine hours during a summer session, a student, with the exception of music majors, must obtain prior written permission from the school dean. Music majors may carry as many as 20 semester hours without permission from their dean.

### Late Enrollment

Enrollment in a regular semester after the first week of classes or after the third day of classes in the summer session is not advisable and is permitted only with special permission from the appropriate department head. Any student enrolling after classes begin will pay a late enrollment fee.

# **Adding Courses**

A student may add a course in the appropriate department office, but only upon the approval of an adviser. A fee will be charged each time a student changes the program not at the request of the College. No course may be added after the first week of classes in a regular semester or after the third day of classes in the summer session without special permission.

# NON-ATTENDANCE DOES NOT CONSTITUTE A WITHDRAWAL FROM CLASSES.

# Withdrawal from a Single Class

A student may initiate the withdrawal from a course in the Registrar's Office. Deadlines cited in the College Schedule of Classes apply.

# Withdrawal from All Clases

A student who wishes to completely withdraw will initiate withdrawal in the Financial Aid Office (114 Hearnes Hall). A student who completely withdraws

from the college prior to the last week of classes in a regular or summer semester may receive a grade of "W" in all courses in which the student is enrolled. Withdrawal from the College after the last week of classes in a regular or summer semester will result in a grade of "F" being recorded for all courses, unless other arrangements are made through the Office of the Registrar. A student who leaves school without officially withdrawing shall receive grades of "F" in all courses.

# **Class Attendance**

Faculty members keep records of attendance in all regularly scheduled courses at Missouri Southern. The primary objective of student and professor is the student's attainment of course goals. It is recognized that students who achieve those objectives are normally those who attend class regularly. The professor, when giving a final semester grade, bases his/her evaluation on how well the student has achieved the course goals.

For financial aid purposes, if a student misses any class for ten (10) consecutive working days, the faculty member will report this in writing to the Office of the Registrar.

Students who miss a class do so at their own risk and must assume the responsibility for work missed because of class absences. Professors are willing to assist students whose absences are caused by valid illnesses, College approved activities, and extenuating circumstances. The professor may require whatever evidence is needed to support the reason for absence.

The attendance record is significant to the total record and is useful in guidance and counseling. When absences are excessive, the professor will report the fact to Student Services and they will in turn counsel with the student. The total number of student absences in a class will be reported to the Registrar's Office along with the final grade at the end of the semester.

Students should be aware that absence from class invariably has a built-in penalty of lower academic achievement. Excessive absences usually result in failure to achieve the course goals.

# **Credit Options**

Placement, Examinations, Credits
Resident Credits from Institutions of Equal
Standing with Missouri Southern State College

Credits transferred from accredited colleges and universities will be given full value in similar courses whenever possible. The amount of credit given for courses studied in other institutions may not exceed the amount given at Missouri

Southern for the same length of time of instruction. Students may not transfer credits to satisfy more than one half of the major course requirements in a department unless the approval of the Vice President for Academic Affairs is obtained.

# **Advanced Standing Examination**

A student whose travel, employment, extensive readings or other unique educational experiences appear to have provided proficiency in a course required in the curriculum equivalent to that ordinarily attained by those taking the course in regular classes, may be granted permission to take an advanced standing examination. This examination may be a subject matter test of the College Level Examination Program (CLEP) or a comprehensive test designed by the department to cover the subject more fully than a regular final examination. In order to receive credit for a departmental examination, a student must have the following qualifications in addition to those listed above:

- (a) be enrolled in college at the time of the examination;
- (b) not have taken an examination over the course within the preceding six months;
- (c) not have credit in a more advanced course in the same field;
- (d) be working toward a degree at Missouri Southern State College;
- (e) have the approval of the head of the department in which the course is offered;
- (f) not use examination to replace a previously earned grade.

After a student has taken a departmental examination, the professor will transmit the grade to the Vice President for Academic Affairs Office. If performance is equated as a "C" grade or above, the Registrar will record the credit.

# International Baccalaureate

Missouri Southern will grant up to 30 semester hours or the equivalent of one full year of college study, to those who have completed study in the International Baccalaureate curriculum in high school. Missouri Southern will grant college credit and advanced placement for International Baccalaureate courses completed at the higher level with a score of four or greater. Students with such backgrounds should contact the Admission Office for a detailed analysis of credits and standing.

# **Advanced Placement Test (AP)**

Missouri Southern participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. Credits are granted for course areas in which a student has completed Advanced Placement Examinations with a score of 3, 4 or 5.

# **Correspondence Course Credit**

Missouri Southern accepts credit earned by correspondence from regionally accredited institutions. No student will be permitted to apply more than 12 hours of course work in correspondence toward his/her degree.

# Course Credit for Military Service and Schooling

Military Service students who have completed a minimum of one year of active military service may be granted credit to meet the Kine 101 and Kine 103 requirements of the Core Curriculum. Thus, these requirements will be satisfied if the DD214 form is submitted to the Missouri Southern Registrar's Office. Credit may also be granted for specific military schooling as recommended by the American Council of Education. The credit granted will be based on applicability and will carry the grade of "CR". The veteran must present documentation designating the military course, date and site of the course.

# **Validation Examinations**

If Missouri Southern refuses to accept a student's earned credit in a course because of the method in which the course was taken or because the institution at which the course was taken was not accredited, the student may apply for a validation examination. In order to qualify for a validation examination a student must: (a) be enrolled at Missouri Southern State College at the time the examination is taken; (b) present the necessary evidence to prove that the course was taken; (c) get approval from the Registrar, the school dean and the head of the department in which the course is offered; and (d) initiate the proceedings within the first eight weeks after entering college.

The student initiates the request for examination at the Registrar's Office. The school dean and the department head will appoint a professor to construct, administer and evaluate the examination. The result is reported to the Registrar who records the grade if it is "C" or above.

# **The Honors Program**

Patricia P. Kluthe, Director Webster Hall 118, 417.625.3005

The Honors Program at Missouri Southern State College is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students.

Because admission is selective and competitive, classes normally are smaller than regular classes, permitting Honors

students to enjoy interaction with other outstanding students in an informal atmosphere conducive to exciting and challenging discussions.

Honors courses put our best students in small classes with our best teachers - right from freshman year on. Distinguished professors and Honors students have opportunities to expand the educational experience beyond that available in regular courses. Students receive personal attention and special guidance, and the program is flexible to permit them to pursue particular scholarly interests and to engage in innovative and creative approaches to learning.

Expectations for performance in the program are high. As an Honors student, one is expected to strive for grades against these standards; one is not, however, expected to compete with others for grades. Through this program, the challenge to perform at the top of one's ability is matched by the opportunity to do so in an environment that is simultaneously fun, exciting and intellectually demanding.

# The Curriculum

While students will take courses offered in Southern's regular curriculum, these five features are specifically designed for Honors students:

### Honors Forum

This course is an open forum to discuss a variety of topics, issues and other matters of interest. The objective of the course is to develop in the honors scholar self, cognitive, and cultural awareness. Active learning and service learning are nurtured as students select, design and implement topic presentations.

#### Service Learning

By engaging the Honors students as volunteers in unfamiliar institutions which are oriented toward public service, this experience is designed to lead the students through a critical analysis of the organization's culture and dominant paradigms of thought encountered during the time of service.

#### Core Curriculum Courses

Special sections of required courses such as English composition are designated as Honors sections. There are a number of such courses to select from each semester, and most Honors students take their choices of these during their freshman and sophomore years.

#### Junior Honors Courses

This experience is designed for scholars in the last two years of their curricula, and is aligned with the international mission of Missouri Southern. Each honors scholar is expected to have an international study experience during their tenure at Southern, and with the guidance of the honors directors will be led through a reflective analysis of that study, again emphasizing self, cognitive and cultural awareness.

# Senior Honors Thesis

Students take at least one Honors course in their major during the senior year. Working under professors in their major field, they design and carry out independent projects investigating in-depth topics and utilizing original research methods. Each student makes a presentation of their research to an Honors Colloquium open to a campus-wide audience. The presentation is required of each student for completion of the Honors Program.

# **Honors Recognition**

Missouri Southern is affiliated with the National Collegiate Honors Council, The Great Plains Regional Honors Council, and Phi Eta Sigma and Alpha Chi, national honor societies. Most Honors students have the opportunity to participate in the

activities of these organizations and to attend regional and national conferences.

Every Honors course completed with a final grade of A or B is identified as an Honors course on one's transcript. If one maintains a cumulative grade point average of at least 3.5 and completes 26 hours of Honors courses, one will receive special recognition at graduation.

# Oxford and Cambridge Program

To live and study at historic Christ Church College of Oxford University or at equally-renowned Cambridge University is perhaps the experience of a lifetime. Southern offers an elective summer study program in England at Oxford or Cambridge, two of the world's foremost universities. Students participate in small seminar groups led by university tutors and live in an atmosphere of university life as it has survived over the past 700 years.

A select group of students have the opportunity to participate in either program based on their advanced academic standing for hours accumulated and grade point average. Selected students choose courses offered in sessions on various subjects. Southern grants partial scholarships to students each year. Honors Program students are given priority consideration in the selection process.

There is also time for students to enjoy the rich heritage of England through formal tours and individual excursions. A great opportunity awaits those selected to be members of this distinguished community of scholars and participants in the Oxford or Cambridge experience.



# The Evans Scholarship

In competing for admission to the Honors Program, students also are competing for the Walter and Fredrica Evans Scholarship, which will be awarded as funds allow to the most highly qualified applicants. The Evans is a four-year renewable scholarship that covers tuition, book rental fees and student activity fees, for fall and spring semesters. Additional scholarship funds to cover on-campus room and board are available for Evans Scholars who are National Merit Scholarship semifinalists or who have an ACT composite score of 31 or better. This is the finest scholarship Southern offers.

# Eligibility

All students who wish to participate in the Honors Program must be admitted to Southern. Incoming freshmen with at least a composite score on the ACT of 28 or with at least a grade point average of 3.5 (on a 4.0 scale) in high school course work are invited to apply for admission to the program. To complete the application process the student must submit an application form, a transcript, two letters of recommendation mentioning the student's strengths as a scholar, and an interview with one of the directors. An essay may also be required.

Students who have already completed between 15 and 30 hours of course work with a grade point average of 3.5 at Southern or any other accredited college or university are also invited to apply for admission into the program, though they are not eligible for the Evans Scholarship.

The Honors Program will offer special admission to Missouri's associate degree graduates who hold the CBHE Bright Flight Scholarship. Those with at least a 3.5 GPA will be

eligible for a scholarship that covers the full cost of tuition, room and board, activities, fees and textbook rental. Those with a 3.0 GPA will be eligible for a scholarship equivalent to our Regent's Scholarship.

Students generally will not be admitted to the Honors Program after they have earned 30 credit hours. However, if such a student presents a plan to take the 26 honors hours required to complete the program, that student will be considered by the Honors Committee on an individual basis.

# **Enrollment Services**

# **Admissions**

Derek Skaggs, Director of Enrollment Services Hearnes Hall 109, 417.782.6772

**Staff:** Kristy Adams, Brenda Blalock, Clay Deem, Tina Fitzpatrick, Cameo Harrington, Mark Lloyd

Admission decisions are based on current admission policies established by the Board of Regents and are made in accordance with the recommendations of the Coordinating Board for Higher Education. Students are encouraged to apply for admission early. Applications are available through the Admission Office, the Admission web site (www.mssc.edu/admission) and most high schools and community colleges. Admission requirements are subject to change without notice. Missouri Southern State College encourages students from private, home schooling and non-accredited high schools to contact the Admission Office for details on how to be accepted into Missouri Southern.

# Credentials Required for Freshman Admission Regular Admission

- (1) High School Transcript: An official transcript of high school credits must be filed showing that requirements for graduation have been met. A 6th, 7th or 8th semester rank in class must appear on the record. (The College will accept a satisfactory score on the General Educational Development (GED) test in lieu of a high school transcript.)
- (2) Placement Test: Missouri Southern participates in the American College Testing Program (ACT). Scores from the enhanced battery must be presented as an admission credential. These tests are administered at nationally approved test centers five times a year. Missouri Southern is a test center. Students over the age of 21 applying as first time freshman are not required to submit an ACT score. However, placement

tests in English and Math may be required for placement in the appropriate classes. Either ACT or SAT scores are acceptable.

- (3) Application: Missouri Southern admits students on a rolling basis. Students are encouraged to apply early. The application for admission must be submitted to the Admission Office one week before the first day of enrollment (see College calendar on page 14). This includes all credentials required by the Admission Office.
- (4) Application Fee: A fee of \$15 must be included with the application for admission. (This fee is non-refundable and non-applicable to other college fees.)
- (5) Miscellaneous Requirements: Additional credentials maybe required from students whose application credentials raise questions about their acceptability into the student body. While the College makes every effort to give each applicant an opportunity for a college education, it reserves the right to deny admission when the College's ability to meet the need of the student and/or the welfare of the student body is in question. Students who do not attend Missouri Southern within one year after making application must submit new credentials when seeking admission.

# **High School Core Curriculum Requirement**

The College strongly encourages high school students to follow the core curriculum requirements outlined by the Missouri Coordinating Board for Higher Education. The core includes:

- **English**, **4 units**. Two units emphasizing composition or writing skills are required. One unit may be speech or debate.
- Mathematics, 3 units. The units must include Algebra I, Algebra II and Geometry. A fourth higher level mathematics course is strongly recommended.
- **Social Studies, 3 units.** Courses should include United States history and courses selected from world history, government, geography and economics.
- **Science**, **2 units**. General Science does not count. One unit must include a laboratory. Biology, physics and chemistry are strongly recommended.
- Visual/Performing Arts, 1 unit. Fine Arts courses include such areas as visual arts, music, dance or theatre.
- **Electives**, **3 units**. These may be selected from world geography, higher level mathematics, additional science, foreign languages (if a language is chosen as an

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elective, the college recommends 2 units of the same language), advanced placement courses or a combination of the core courses listed above.

Admission requirements are subject to change without notice.

#### **Admission Review Committee**

Individuals who do not meet the College's admission criteria may request a review of their application. The committee may make one of four decisions: grant regular admission, admit conditionally, deny admission or admit as a special non-degree seeking student.

# **Students With Previous College Experience**

Former MSSC Students: Former Missouri Southern State College, Jasper County Junior College and Joplin Junior College students must inform the Office of Admission of their intention to return. Students will be required to update their credentials.

Transfer Students: (Students who are enrolling at MSSC for the first time) Transfer students who have completed the State of Missouri General Education Core Curriculum (42 semester hours) prior to enrolling at MSSC, are assumed to have met Areas 1 through 4 of the MSSC Core Curriculum requirements. Transfer students must additionally meet requirements for Area 5 of the MSSC Core Curriculum.

Transfer students who have not completed the above General Education Core Curriculum will have their courses evaluated on a course-by-course basis. Credits from an accredited two-year college will be accepted to meet lower division (100-200 level) requirements only. A maximum of 64 semester hours earned at a two-year college may be applied toward a baccalaureate degree.

The following credentials must be submitted to the Admission Office:

- official transcripts from <u>all</u> previously attended institutions, sent directly to the Admission Office;
- 2. eligiblity to return to last institution attended;
- 3. payment of the \$15 non-refundable application fee; and
- 4. ACT scores submitted, if mathematics has not been completed or a degree in education is sought.

Transfer students who have been awarded a Baccalaureate degree from a regionally accredited U.S. college or an accepted foreign equivalent, prior to enrolling at MSSC, are assumed to have fulfilled all lower division Core Curriculum requirements. All transfer and post graduate students must also fulfill the State Legislation Requirement for the U.S. Constitution, Missouri Constitution, and U.S. History. See the Academic Affairs section of the catalog under State Legislation Requirements for more details.

Transfer students seeking admission to Missouri Southern State College from colleges or universities not accredited by a regional association may be given full recognition for their credits earned when the credit is appropriate to the student's degree programs and after Missouri Southern State College has validated the courses. Applicants must meet the following conditions:

- 1. the student must be in good standing at the institution from which they are transferring, and
- the student must have a cumulative grade-point average of 2.00 or higher (on a 4.00 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the College's standards of progress may be considered for admission on probation.

Transfer students must take a minimum of 30 of the last 36 semester hours for the baccalaureate degree in residence at Missouri Southern.

Transient Students: Students in good standing at other colleges and universities may wish to enroll at Missouri Southern for the purpose of transferring back to their institutions the credit earned. Admission requires completion of the Non-Degree application form and payment of the \$15 non-refundable application fee. Students wishing to continue course work at Missouri Southern State College must complete the Degree Seeking admission application and meet admission criteria.

International Students: International students not citizens of the United States who wish to apply for admission should write the Admission Office or access the Admission Web Site (www.mssc.edu/admission) for the proper application forms and instructions. In addition to the admission credentials required of all students on page 38, international students must satisfy these concerns: (a) academic competency, (b) ability to read and speak the English language adequately for college level study, and (c) ability to finance the cost of education at Missouri Southern. All applicants from non-English speaking nations must score in the 75th percentile on the Michigan Test for English as a Foreign Language or score 535 on the TOEFL paper-based test or a minimum of 200 on the TOEFL computer-based test. The Admission Office must receive all application and accompanied credentials by the following dates:

Fall Semester
Spring Semester
Summer Semester

June 1 December 1 May 1

Students who are citizens of the United States and use English as a second language must pass English language competency. A TOEFL test score of 535 on the TOEFL

paper-based test or a minimum of 200 on the TOEFL computer-based test or a score in the 75th percentile on the Michigan Test is required of these students.

Intensive English Program: Students who donot meet the English competency standards on the TOEFL or the Michigan Test are required to take courses in the Intensive English Program (IEP) before they can enroll in college level courses. The IEP courses do not count as credit toward baccalaureate or associate degrees. As prerequisite courses the IEP courses are graded and count as hours enrolled/earned in determining student status. IEP courses are described in the Communications section, page 71.

**Dual Credit:** The Dual Credit Program enables high school students to enroll in college courses and simultaneously earn both high school and college credit for those courses (subject to the agreement of the high school). Missouri Southern is pleased to participate in this program. Admission to the dual credit program is limited to high school students who have completed their sophomore year, who have a cumulative high school grade point average of at least 3.0 on a scale of 4.0, who are pursuing the state-designated college preparatory high school core curriculum, score at proficient or above on the MAP and who have the recommendation of their principal or counselor. Students should obtain a dual credit application and information about available courses from the Assistant Vice President for Academic Affairs, Hearnes Hall Room 200, 417.625.9555.

Credit-in-Escrow: The credit-in-escrow program consists of college studies for outstanding high school students who have completed their sophomore year, who have a cumulative grade point average of 3.0 on a 4.0 scale, who are pursuing the state-designated college preparatory high school curriculum, and who have the recommendation of their principal or counselor. A \$15 application fee and high school transcript is required with the application.

# **Admission to Selective Programs**

The Health Sciences (nursing, dental hygiene and radiologic technology): Admission to Missouri Southern does not automatically confer admission to the programs of nursing, dental hygiene, radiologic technology. In addition to meeting the admission requirements for the College, candidates who are interested in these health career programs are required to apply for admission to the department. Application forms may be obtained from the department of nursing office, Kuhn Hall; the dental hygiene department office, Ummel Technology Building; or the radiology department of St. John's Regional Medical Center. Applications should be submitted prior to March 1, preceding the fall semester in which the student wishes to enroll. Each application is reviewed by the Admission Committee of the respective department. See nursing department page 209,

dental hygiene department page 203 or radiologic technology page 213 for full information on admission and acceptance criteria.

**Teacher Education:** Admission to Missouri Southern does not automatically confer admission to the Teacher Education Program. In addition to meeting the admission requirements to the college, candidates who are interested in the Teacher Education program are required to apply for admission to the Teacher Education Department. For more details, please see the Teacher Education section of the catalog (page 165).

Honors Program: This program is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. Entrance into the program is by invitation. Interested students should write the Director of Honors Program for an application form or check the appropriate box on the application for admission to the college (page 40).

# **Special Admission**

A student who wishes to enroll in college but does not meet regular admission requirements may be permitted to enroll in classes as a non-degree seeking student. College hours completed in this status cannot be counted toward a degree until the student meets regular college admission criteria. Special admission classification is not eligible for financial aid.

Students who possess a high school diploma or GED may request reclassification by:

- 1. meeting all of the College's admission criteria, or
- 2. successfully completing 21 hours with a 2.0 GPA.

Individuals without a diploma or GED must complete 59 hours with a 2.0 GPA before a request for reclassification can be considered.

# 60 Plus

This program is designed to serve interested individuals 60 years of age and over. Community residents may enroll in a course on a space-available basis without providing previous transcripts. Compliance with course prerequisites is necessary and is the student's responsibility. Enrollment takes place at the same time as regular student enrollment. Information concerning enrollment times, reduced fees and tuition costs can be found in the college schedule. A student may elect to receive a grade and credit for their course or they may audit the course with the permission of the instructor. If a student desires to become a regular student, he or she must make application to Missouri Southern for future semesters.

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# **Financial Aid**

Mr. James Gilbert, Director of Student Financial Aid Hearnes Hall 114, 417.625.9325

Missouri Southern participates in a variety of aid programs to assist qualified students who would otherwise not be able to attend college. These funds - from private, institutional, state and federal sources - are coordinated to meet the individual student's need. There are programs based on various criteria such as financial need, performing ability and academic excellence. Each program has requirements for maintaining the award and students must meet satisfactory academic progress guidelines for continued assistance. Foreign students are required to present a financial statement certifying they have sufficient funds to pay for all educational expenses. Information in this catalog regarding financial aid is subject to change without notice. Missouri Southern reserves the right to adjust a student's financial aid package to reflect a true change in the student's financial situation. Financial aid awards are subject to changes in institutional policy and State and Federal regulations.

For applications and detailed information concerning financial aid view our website at http://www.mssc.edu/finaid.
There is a wealth of financial aid available in many forms from many sources.



# How to Apply for Financial Aid

1. All applicants must complete the Free Federal application for student aid and request an electronic PIN number which will be used in processing Federal documents. MSSC prefers the electronic application on the Web at http://www.fafsa.ed.gov, where you may request a PIN number. Likewise, all applicants must have a current E-mail address where financial aid information will be sent. Application priority date is February 15; however, awards will be made until all funds are expended. This application will generate a Pell Grant, if applicant is eligible and will be used to apply for work, loans, Missouri Charles Gallagher Student Financial Assistance Program, and the Missouri College Guarantee Program.

Students who have not submitted all necessary financial aid documentation by July 1 for the Fall term and December 1 for the Spring term will be expected to pay their fees in full by the deadlines set out in this catalog. Payment deferments will only be available to those students who meet with the application deadlines and have provided all required documentation for eligibility determination.

- Applicants selected for verification must bring or mail a copy of their own and if under 24, their parents' 1040 Income Tax Form to the Financial Aid Office. These signed documents must be on file before any award will be processed.
- Applicants must indicate on their application the type of assistance for which they wish to apply. In addition, applicants for PLUS loans must contact the Financial Aid Office for special instructions.
- Applicants for Patron Scholarships must complete a scholarship application and return it to the Scholarship Office by March 1.
- Transfer students must request an academic transcript for each college previously attended and be evaluated by the Registrar's Office before aid is processed.
- 6. Applicants for performing awards should contact the director of the program in which they wish to participate.
- Applicants for special programs should contact the Financial Aid Office for instructions.

# What types of Aid Programs does Southern offer?

Grants ———	Who Is Eligible	How Much	How to Apply	
Federal Pell Grant	Federal Aid program based on financial need. All students should apply.	Grants range from \$200 to \$4000 depending on where the student lives and educational costs.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15.	
Charles Gallagher Student Financial Assistance Program	State funded program for Missouri residents; based on financial need.	Maximum grant not to exceed one- half the cost of tuition and fees.	Complete the FAFSA. Deadline April 1.	
Federal Supplemental Educational Opportunity Grants	Students with exceptional financial need.	Grants range from \$100 to \$4000 per academic year.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date <b>Feb. 15</b> .	
Missouri College Guarantee Program	High School GPA 2.5 or higher, ACT 20 or higher, participated in Extra curriculiar activities, full-time at MO college.	Based fees charged at Univ. of MO and other federal and state programs.	Complete the FAFSA. Deadline April 1, received date.	

# **General Scholarship Policies**

Eligibility criteria will be reviewed in August and January prior to disbursing funds. Recipients may not receive more than one scholarship issued by the college. This includes Evans/Honors, President's, Regents', Junior College Transfer, Deans', Patron's, Non-Resident Freshman Scholarship, Non-Resident Transfer Scholarship and other scholarship programs. Outstanding students who receive more than one scholarship must choose which award they will accept. However, scholarship recipients may combine performing awards with the scholarship as long as the total award does not exceed the student's direct college costs.

Recipients of President's, Regents', and Deans' Scholarships must use the scholarship within one year after high school graduation or testing and may not have attended any post secondary program after graduation or testing prior to entering MSSC. Patron's scholarships are not automatically renewable. Application must be filed each year prior to March 1. Scholarships are fee waivers. No cash may be received unless coordinated with a non-college cash award.

Appeals, special circumstances, and questions pertaining to the awarding guidelines should be made to the Director of Student Financial Aid.

All fees, tuition, awards, and scholarships are subject to change without notice and are subject to review by the Scholarship Committee upon receipt of funds and authorization by the Board of Regents. Missouri Southern does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or provision of services.

# What type of **Academic Scholarships** are available

	and how do I ap	pply for them?	
cholarships	Who Is Eligible	How Much	How to Apply
Honors Program Evans Scholarships are awarded to selected first time freshman.	ACT composite score of 28, or a 3.5 GPA. Additional Evans Scholarship available for on-campus room and board with an ACT Composite score of at least 31 and to National Merit semifinalists or finalists.	Evans Scholarship-a four-year renewable scholarship covering tuition, textbook rental fees, and student activity fees for fall and spring.	MSSC, Honors Program, 3950 E Newman Road, Joplin, MO 64801 1595. Deadline for the completed application is <b>March 1</b> .
Presidents Scholarship- Must complete 12 hours each semester. Renewable up to eight semesters if the student earns a 2.5 g.p.a. the first se- mester and a 3.0 g.p.a. for each semester thereafter.	Awarded to the 1st & 2nd ranking students, with a composite score of 21 or higher on the ACT.	\$1200 for academic year 2002-03. Approximate value over four years - \$4800. Will not cover any deposit, rental or student activity fee.	President's Scholarships are giver directly to each accredited high school in the college's service area and are awarded by the counselors in each school.
Regents' Scholarship- Must complete 12 hours each semester. Renewable up to eight semesters if the student earns 2.5 g.p.a. the first semes- ter and a 3.0 g.p.a. each se- mester thereafter.	High school graduates with a 26 or above composite score on the ACT and rank in top half of their graduat- ing class.	\$800 for academic year 2002-03. Approximate value over four years - \$3200. Will not cover any deposit, rental or student activity fee.	Awarded directly to the student by Missouri Southern on the basis of the ACT score and H. S. transcript. Student must complete the certification section and forward the acceptance letter to the Financial Aid Office.
Deans' Scholarship- Must complete 12 hours each semester. Renewable up to eight semesters if the student earns a 2.5 g.p.a. the first se- mester and a 3.0 g.p.a. each semester thereafter.	Rank in the upper 30% of their class, composite ACT score of 23 or above.	\$610 for academic year 2002-03. Approximate value over four years -\$2440. Will not cover any deposit, rental or student activity fees.	Awarded directly to the student by Missouri Southern on the basis of the ACT score and H.S. transcript. Student must complete the certification section and forward the acceptance letter to the Financial Aid Office.
Junior College Transfer Scholarship Must complete 12 hours each semester. Renewable if the stu- dent earns a 2.5 g.p.a. the first semester and a 3.0 g.p.a. each semester thereafter.	Students who have completed 55 hours or more from a Junior College with a 3.25 g.p.a.	\$800 for academic year 2002-03. Approximate value over two years -\$1600. Will not cover any deposit, rental or student activity fee.	Contact Financial Aid Office or www.mssc.edu/finaid for a copy of the application.
Patron's Scholarship All scholarships are subject to donor's criteria.	Open to any student attending Missouri Southern who shows scholastic ability or financial need. Application for Federal aid is not required for the Patron's Scholarship.	\$50-\$2500 per academic year.	Contact Financial Aid Office or www.mssc.edu/finaid for a copy of the application. Suggested deadline for applying is <b>March 1</b> .
Non-Resident Service Area Scholarship Must complete 12 hours each semester. Renewable up to 8 semesters if the student earns a 2.5 g.p.a. the first semester and a 3.0 g.p.a. for each semester thereafter.	Non-resident freshmen with a score of 21 or above on the ACT. Must attend high school or live in certain counties, in Arkansas, Kansas, Oklahoma. Contact the Scholarship office for a list of counties.	Out-of-state fees for 12 to 15 credit hours.	Contact Financial Aid Office or www.mssc.edu/finaid for a copy of the application.
Non-Resident Jr. College Transfer Scholarship Must complete 12 hours each	Students who have completed 55 hours or more from a junior college in the College service area* and who	Out-of-state fees for 12 to 15 credit hours.	Contact Financial Aid Office or www.mssc.edu/finaid for information on college service area.

semester. Renewable up to 4 semesters if the student earns a 2.5 g.p.a. the first semester and a 3.0 g.p.a. for each semester there

have a 3.25 g.p.a.

\*Service area in certain counties in Arkansas, Kansas, & Oklahoma.

Performing			
Awards	Who is Eligible	How Much	How to Apply
	Students who have demonstrated successorhigh potential inforensics, foreign language, journalism, music, mathematics, theatre, and athletics.	Awards range from \$50 to full scholarship consisting of tuition, fees, room and board.	Apply directly to the director or sponsor of particular activity.
Employment			
Programs	Who is Eligible ——	How Much	How to Apply ——
Federal Work Study Program	Federal Aid program based on financial need. All students should apply.	Minimum wage, weekly hours based on need, not to exceed 20 hours per week.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; <b>priority date</b> Feb. 15.
Student Help Program	On-campus employment for students who are qualified to fill job openings.	Minimum wage, weekly hours depend on operational need.	Apply to Student Employment Office or to individual departments on campus.
Job Location & Development	All students unless other aid criteria conflicts.	Minimum wage and up.	Fill out MSSC Employment Application, make an appointment.
Loans ———	Who Is Eligible	How Much	How To Apply
Federal Perkins Loan	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	Need to \$4000 per year, Aggregate total \$20,000	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date <b>Feb. 15</b> .
Federal Direct Stafford Loans - subsidized	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	0-29 hrs. up to \$2625; 30-59 hrs. up to \$3500; 60-89 hrs. up to \$5500; 90+ hrs. up to \$5500 Aggregate total \$23,000	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date <b>Feb. 15</b> .
Federal Direct Stafford Loans - unsubsidized	Same as subsidized Federal Stafford Loans.	Cost of education minus other aid equals eligibility for independent students. Dependent students are restricted to the above amounts.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date <b>Feb. 15</b> .
Federal Direct PLUS (Parents Loan)	Parent of regular student must apply for Federal Aid Programs.	Cost of education minus other aid equals eligibility.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date <b>Feb. 15</b> . Additional loan application available at MSSC.
Advantage Missouri	High demand occupational fields.	Up to \$2500 per academic year.	Contact the Missouri Coordinating Board of Higher Education. Also complet FAFSA by <b>March 1</b> .
Alternative Loans	All Students.	Not to exceed cost of attendance.	Contact Financial Aid Office after completing FAFSA.

Other Assistance	Who Is Eligible ——	How Much	How To Apply
Tuition Pay Plan	All students are eligible for this monthly budget plan which allows payment of fees over a 10-month period and provides insurance coverage for the person making the payments.	Ranges from \$25 to full cost of tuition, fees, room and board; or the difference between total direct educational costs and other financial aid awarded.	Applications available in the Business Office or cal 1.800.635.0120 to enroll.
Veterans' Administration Benefits	Veterans eligibility is determined by when the veteran entered military service, length of duty and several other factors.	Amount varies depending on chapter and enrollment status.	Contact: Veterans' Administra- tion Officer, Veterans' representative on campus or Veterans' Administration Regional Office
Bureau of Indian Affairs	Students who can prove they are at least one-fourth Indian blood.	Awards range from partial tuition to full tuition and fees.	Contact: Bureau of Indian Affairs, Higher Education Office, Federal Building Room 300, Muskogee, OK 74001
Vocational Rehabilitation	Students with disabilities.	Awards range from \$25 to full tuition, fees, room and board.	Contact: Vocational Rehabilitation Office, 1609 East 20th, Joplin, MO 64801
Educational IRA	Account setup prior to student's 18th birthday.	\$500 per year	See your local tax accountant.
MOSTAR Higher Education Saving Program (Effective Fall 1999)	All students.	Up to \$8000 annually	See your local tax accountant.
Lifetime Learning Tax Credit	1/2 time student	\$1000 per year and \$2000 per year in 2003	See your local tax accountant or claim as proper tax credit.
Hope Scholarship Tax Credit	First two years of college, at least half-time; file taxes	\$1500 per year	See your local tax accountant or claim as proper tax credit.
Local clubs, service organizations & foundations	All Students	Amount varies with organization.	Contact: Your local clubs, service organization & foundation.
Employment Benefit Programs	Students, spouses and dependents	Amount varies	Contact: your parents or your place of employment.
Midwest Student Exchange	Students from Kansas, Nebraska, Minnesota and Michigan. Freshman: score of 21 or above on ACT; Transfers 3.25 GPA	Student pays 150% of resident tuition.	Contact: Scholarship Office
Residency Tax Credit	Dependent student who have parents working and paid Missouri State Taxes	Varies up to out of state portion of tuition.	Contact: Business Office

# Repayment Notice for Federal Financial Aid

Students who withdraw prior to the 60% of the semester will be subject to repayment of part or all of their aid, as determined by Federal Regulations.

Students will be notified in writing of any amount due. A hold will be placed on the student's account until repayment is made in full.

Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:

- 1. Referral to the Federal Government for collection.
- Ineligibility for Federal Financial aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

# **Policies and Regulations**

Academic Standards: The student's academic progress will be determined in May of each year. However, if minimum standards of hours or grade point average are not met in the fall semester, the student automatically will be placed on financial probation for the spring semester. If satisfactory progress is made during the fall, but not during the spring semester, the student will be allowed one semester on probation to make up all deficiencies. After the probationary semester, grades will be checked and the number of courses will be verified to see if a minimum standard has been completed. If satisfactory progress is not maintained, the student will be placed on financial suspension until the required GPA is reached or course work is completed.

All financial aid recipients must meet the appropriate GPA as published in the College Catalog, (Standards of Progress Toward Graduation). After the second year, federal regulations require the student to have a cumulative 2.0 GPA or the required GPA as published in this catalog for graduation, or in cases where a higher GPA is required for graduation, the student must meet that higher GPA. Students receiving financial aid must meet federal guidelines. If the GPA falls below the minimum standard of progress, the student will be placed on probation.

The maximum time in which a student is eligible to receive financial assistance is as follows:

# **Maximum Semesters of Aid Eligibility**

Degree	Full-Time	3/4-Time	Half-Time
Bachelor	12	18	24
Associate	6	9	12
Certificate	3	5	6

Note: It is automatically assumed that students who do not indicate a degree program are pursuing a baccalaureate degree.

Category Completed	Hours per Semester	Hours per Year
Full-time	12 or more	21 hours per year
3/4-time	9 to 11	15 hours per year
Half-time	6 to 8	9 hours per year

Note: In calculating the minimum hours completed per year, the following will not be counted: incompletes, repetitions, non-credit remedial courses, audited courses and withdrawals. However, if withdrawal from a class results in a change in categories, the originally required payment hours must be completed. If the minimum required hours are not completed, the student will be placed on probation. Students who fail to complete the minimum required hours during the academic year (fall and spring) or whose grades are below the minimum, may make up their deficiencies in summer school.

All aid will terminate immediately under the following situations:

- 1. withdrawal from all classes;
- 2. failure to meet special requirements of academic progress imposed by the Financial Aid Committee;
- default on any federally funded student loan or over payment of any Title IV funds; or
- 4. all "F" grades in a semester.

# **Appeal Procedures**

Students may appeal the suspension of aid to the Director of Financial Aid. After reviewing the file, the Director may reinstate the aid if a course failure was due to medical circumstances, change of degree, change of major or circumstances beyond control.

If the Director denies the appeal, an appeal may be made to the Financial Aid Committee. The student must submit in writing an explanation of any special circumstances in addition to the ones listed that the committee should consider in determining whether any aid should be reinstated. After reviewing student records and written comments, the committee will give written notification of its decision. The notification will state whether or not the aid should be continued and the requirements for reinstatement. The decision of the Financial Aid Committee is final.

It is assumed that transfer students are making satisfactory academic progress when they enroll at Missouri Southern. They will be evaluated at the end of their first full academic year.

Students may continue to receive assistance under the following mitigating circumstances: meeting standards or on

probation under old policy, medical problems, change of degree objective, change of major or other extenuating circumstances. The Director will determine the validity of these circumstances, provided there is appropriate documentation. Under these circumstances, students need not go through the appeal process.

For further information concerning academic progress, see the Financial Aid Office Procedure Manual in the Financial Aid Office.

# Other Duties and Responsibilities of Financial Aid Recipients

Students must report the following changes to the Financial Aid Office:

- 1. withdrawal from school,
- 2. a significant change in income,
- 3. added or dropped classes during the semester,
- 4. a name change,
- 5. change of address or change of parents' address,
- 6. transfer to another college.

Work Study recipients must contact the Student Employment Office for job placement within five days of the beginning of the semester.

Missouri Southern operates on a financial aid data base system which processes applications and awards electronically. It is to the applicant's advantage to use forms and applications which are capable of processing data by teletransmission. The electronic system requires student signatures or electronic use of PIN on documentation, award letters, and promissory notes before funds can be processed.

Financial aid funds will be credited to the student account. Once all direct college costs have been satisfied, funds awarded may go directly to the student will be mailed by check to the address provided at the time of registration. Checks are printed at the end of the second week and thereafter every week throughout the semester. Student employment and other checks must be picked up in person at the Business Office upon notification of their availability.

Veterans must sign up for veterans' benefits at the beginning of each semester.

# The Center for Assessment and Institutional Research

Delores A. Honey, Assistant Vice President *Matthews Hall 321, 417.625.9696* 

Missouri Southern is committed to the measuring of outcomes of curricular programs. Both the Core Curriculum and the major are assessed each year. Federal, state and local reports of institutional data are prepared and archived in this Center.

# The George A. Spiva Library

Wendy McGrane, Interim Library Director Spiva Library 120, 417.625.9703 www.mssc.edu/spivalib

**Librarians:** Robert Black, James Capeci, Susan Huston, Charles Nodler, Ed Wuch

# The George A. Spiva Library and Cragin Addition

The Spiva Library is the major information resource on campus. Available in the Library for student use are 222, 483 book volumes and 1,147 periodical titles. A state and federal government documents collection; a law library; and a 714,773 item microform collection provide additional reference materials for student research. Additional collections housed in the archives are the Congressional Papers of



former member of the United States House of Representatives, Gene Taylor, tri-state mining maps, the papers of the late Dr. Arrell Gibson, a noted Western historian and MSSC archival material.

Students first enjoyed the use of the new Spiva Library in the fall of 2001. The Library was completely remodeled and a new addition was constructed. The new addition doubles the square footage of the library to 80,000. A cyber coffee shop allows students to study and enjoy a beverage or snacks in the Library. They may drink and web surf on the 24 state-ofthe-art computers in the area. Going to the Third Floor: beautiful new cherry wood furniture welcomes the student who enters from the main campus level. The many available computers allow students to do their research on the Internet. Other areas on this floor are reference, circulation, periodicals and microforms. On the Fourth Floor is the Belk Quiet Room. This is a beautifully furnished room, which maintains the enforced quiet that many people want in a library. Other open areas with comfortable lounge furniture or tables with chairs enable students, who need to do group work, to talk without disturbing others. Many group study rooms are available as well. The book collection is located on this floor and the 2<sup>nd</sup> floor. The 2<sup>nd</sup> floor houses the government documents collection and the Law Library.



The staff is composed of six librarians, 13 support staff members and part-time student staff members. The Library is open from 7:30 a.m. until 11 p.m., Monday through Friday. On the weekends, the hours are from 9 a.m. until 11 p.m. on Saturday and from 2 p.m. until 10 p.m. on Sunday. Changes in this schedule are posted as needed for holidays, breaks and summer school. The service week of 99.5 hours is more than that maintained by many academic libraries.

The teaching function of the library is important, as it should be in a college that prizes excellence in the intellectual development of its students. Every effort is made to ensure that students learn how to conduct research in the library effectively and to use information resources knowledgeably. Librarians provide tours of the library, workshops, class lectures and individual assistance.

Modern technology is used heavily in the library. Interlibrary loan requests are sent and received through an international computer network of libraries. Locations of requested materials can be determined in minutes through the OCLC Network, which has a database of over 46 million records in over 40,102 member libraries. A facsimile machine service is used to rapidly send and receive copies of periodical articles. New services through the Internet allow students and faculty members access to hundreds of library catalogs, discussion groups, listservs, and additional databases. An additional Internet tool, Ariel, is a system of faxing documents via the Internet between libraries and adds to the library's ability to provide journal articles in a timely manner.

All functions of the library are automated. The public catalog is on the Internet at swan.missouri.edu. The catalog allows a search of Missouri Southern's materials alone or those held in the SWAN cluster of Southwest Missouri State University, Drury University, Southwest Baptist University, Crowder College, Cottey College and Ozarks Technical College. A statewide search will look at all of the holdings in any participating academic library, including the University of Missouri system. The book resources available are considerable and may be borrowed by MSSC Students and Faculty.

MOBIUS is a new program for linking the academic libraries of Missouri. This project provides the same client server and library automation software for all the academic libraries in Missouri. One of the nicest features of this system enables a student to borrow a book from any academic library in Missouri and expect to receive it within 48 hours in the best scenario. The average time is dependent on circumstances. The book/s requested are delivered daily Monday through Friday by an independent courier. The book is sent to the home library, which is the Spiva Library. With this system, there is no more filling out tedious forms at the circulation desk and it is very fast compared to the old method of using the U.S Postal Service.

The major periodical indices in business, education, social science, history, psychology, English, biology and nursing are available to Southern students and professors on the Internet. Many of the resources are available in a full text format. Access to these resources is through the library's web page, accesible through the main Missouri Southern web page. The many electronic databases subscribed to by the Spiva Library and available campus wide are listed there. While the Library welcomes the digital age, there are no clear directions at this point. Consequently the Spiva Library maintains print periodicals and microfilms of back issues. Digital and analog microform printers and readers are available for viewing and printing the periodical back files. Copy machines are located throughout the Spiva Library.

Located on the top floor of the Spiva Library is the Audio Visual Center. The AVC is the audio-visual materials component of the Spiva Library. These materials include video and audiotape materials, films, slides, kits and miscellaneous instructional materials. Curriculum textbooks, curriculum guides on microfiche, juvenile and children's books that support the teacher-training curriculum are housed in this area. Materials in this area are cataloged and indexed in the Swan public catalog. The AVC provides appropriate playback equipment for all the materials. Video viewing for distance education students, masters in nursing students and general class viewing is available in this area.

The AVC staff provides limited production services such as making overhead transparencies, laminating materials and copying audiotapes. The AVC has a minor inventory of slide projectors, videocassette recorders and monitors, audiocassette recorders and filmstrip projectors. Equipment is housed in each school and department, so the AVC equipment is limited to basic items. Helpful staff is stationed in this area to provide assistance with finding materials or using audiovisual materials or services.

Every effort has been made to ensure that the Spiva Library is accessible to patrons with disabilities. If a patron with a disability requires immediate short-term assistance, he or she should see any library staff member. If assistance is needed for extensive research, call 417.625.9801 to schedule an appointment.

With state-of-the-art library automation, the Spiva Library and Cragin Addition are ready for the next century. The Library provides students with plentiful books, periodicals and other resources for writing papers, preparing speeches or reports, and for general information needs.

# **Learning Center**

Eillen Godsey, Director

Mansion Classroom Building, 417.625.9373

Staff: James Brown, Jan Holmes, Melissa Locher

The mission of the Learning Center is to provide a wide range of academic support programs to students and faculty. Learning Center staff are available to assist any MSSC student to become a more independent and efficient learner. All services are free.

**Tutoring in Content Areas** – Peer and faculty tutors are available. Some drop-in tutoring is offered, although an appointment is recommended. Both short- and long-term assistance is provided.

Writing Lab Services – Trained peer tutors instruct and coach students in all aspects of writing, such as writing process strategies, research paper documentation, and correct mechanics.

Computer Lab – The Learning Center offers a networked computer lab with Windows word-processing programs. Students may work on individual assignments or use the Center's software.

Services for Students with Disabilities – The Learning Center provides support services to students with disabilities. Support services are elective and must be requested by the student. Appropriate documentation must be provided.

# Audio/Visual and Computer Assisted Instructional

Resources – Tapes are on reserve in the Center and may be viewed in the Center or checked out. The collection includes faculty created study guides and practice tests, taped classes, practice drills in grammar and punctuation, national exam guides, as well as other academic support materials.

#### Classes

Basic Composition – Prepares students for college writing courses. Students write at least six major papers with special attention given to organization, syntax, grammar, and mechanics.

Academic Skills for College Success – This class is intended to assist students not only in the transition from secondary school to college but in the development of academic skills to be used in college courses of study. Emphasis is placed on developing and increasing self-confidence for success in the freshman year and beyond. The course focuses on goal setting, dealing with change, learning styles, memory development, text reading, listening, note making and test taking skills.

Speed Reading – A course designed specifically to increase reading speed. Students must be capable college level readers to benefit from this computerized format. In addition students will become aware of factors influencing reading speed and efficiency. This one hour class presents a non-threatening environment for students to practice increasing speed while maintaining an acceptable level of comprehension.

Workshops

- Study Skills
- Exam Preparation

# **Lifelong Learning**

Dr. Jack Spurlin, Vice President for Lifelong Learning Hearnes Hall 108, 417.625.9652

The office of Vice President for Lifelong Learning promotes the concept that learning is a continually evolving process. Lifelong Learning provides a variety of forms of access to education to meet the evolving needs of the individual. Access to educational opportunity is provided on-campus and off-campus during the week and through Weekend College. It is recognized that learning is not always formalized and in some cases individuals may, through the portfolio process, achieve recognition for career and professional experiences.

Dr. Jerry Williams, Director of Lifelong Learning Webster Hall 117, 417.625-9384

Staff: Betty Baker, Web CourseTechnical Specialist
Robin Douglas, Television Production Specialist
Tom Hewett, Maintenance Engineer
Nancy Kenney, Coordinator of Customized Training
Bryan Lawler, Technical Specialist
Don Ross, Maintenance Engineer

The Division of Lifelong Learning is a component of the Office of the Vice President for Lifelong Learning that provides both credit and non-credit courses to supplement the college curriculum. The Division of Lifelong Learning is responsible for a variety of activities including distance learning. Persons who are homebound or have restrictive work schedules have access to college courses through one or more of the college's distance learning delivery systems. Students enrolling in these programs are considered special or temporary until they have completed the regular admission process to become degree-seeking students. Information is provided on the division's web site at: <a href="https://www.mssc.edu/lifelonglearning">www.mssc.edu/lifelonglearning</a>

Televised Instruction - College credit courses are offered over cable systems in Lamar, Carthage, Monett, Pierce City, Aurora, Verona, Neosho and the Southern Instructional Television Network. Live broadcasts afford students opportunities to talk with instructors through the use of the telephone. Delayed transmission courses are also offered for persons with schedules that do not coincide with the live telecasts.

Pathway - College courses leading to the associate of arts degree in general studies are offered through a cooperative program between Ozarks Public Television and Missouri Southern State College. The program reaches a 57-county area of Southwest Missouri and portions of Oklahoma, Arkansas and Kansas.

Interactive TV - A number of college credit courses leading to the bachelors degree are provided through interactive television to different sites. Some courses provide traditional college credit and others provide dual credit for high school students.

Internet Courses - College courses are offered over the Internet for the convenience of students who need flexibility in their schedule. Courses available include core curriculum and specialty courses necessary for various Associate and Baccalaureate degrees.

CD or Video Correspondence Courses - A limited number of courses are offered through the use of CD's or Video Tapes. The student and teacher also interact with e-mail communications and Internet for these classes.

Weekend Hybrid Courses – These college courses consist of a combination of traditional classroom and Internet sessions. The on-campus classroom sessions are typically on Saturdays. The majority of the student's work and interaction with the teacher is through the Internet using e-mail and the Blackboard course manager.

**Customized Training -** Training programs, customized to the specific needs of individual businesses and industry, are developed in cooperation with the various academic departments on campus. Some of the training activities are campus-based and may involve credit or non-credit courses.

Credit for Life/Work Experience - Credit may be earned for career and professional experiences that are documented through the portfolio process. The availability of credit depends on the relevance of the students' experiences to their major as determined by the department and the school dean. The application process and initial advisement begins with the office of the Vice President for Lifelong Learning. For information contact: 417.625.9652.

# Academic Affairs / 55

Continuing Education Credit Hour Courses - These courses are offered in non-traditional scheduling formats and designed primarily for professionals and job improvement. The courses may be transferable to college credit through academic petition and the approval of the department head and the school dean. Students pursuing these courses will be considered as either *special* or *temporary* until they have completed the regular student admission process.

60-Plus Program - The pursuit of education is not limited by a person's chronological age. The 60-Plus Program provides tuition reduction for persons 60 years of age and over, encourages continued educational growth, and prevents psychological retirement.

Videoconferences and Conference Development - A number of conferences are provided for professional development and public awareness. Many of the conferences provide continuing education units to meet professional mandates.

# **The Writing Program**

Joey Brown, Director Hearnes Hall 320B, 417.625.9708

The director and a faculty committee advise the Vice President of Academic Affairs on the development and supervision of the program. Each student is required to complete five writing intensive courses as a part of the baccalaureate degree. Six hours must be completed in the freshman year, and two of the three remaining courses must be taken at the junior and/or senior level. One upper division course must be taken in the student's major.

# School of Arts & Sciences

Art Biology Chemistry Communications English **Environmental Health** Foreign Languages Geography Geology History **Mathematics** Music Paralegal Philosophy Physics & Pre-Engineering Political Science Preprofessional Social Science Sociology Theatre

# **School of Arts & Sciences**

# School Dean

John P. Messick Hearnes Hall 318, 417.625.9385

# **Degrees and Majors**Bachelor of Arts

Art

Chemistry

Communications

English

French

German

History

Music

Political Science

Sociology

Spanish

Theatre

### **Bachelor of Science**

Biology

Chemistry

Environmental Health

Mathematics

**Physics** 

Political Science

Sociology

# **Bachelor of Science in Education**

Art

Unified Science with

**Biology Endorsement** 

Unified Science with

Chemistry Endorsement

English

French

German

Mathematics

Music

Unified Science with

Physics Endorsement

Social Studies

Spanish

Speech-Theatre

# **Options and Emphases**

Art (B.A.)

Studio Art

**Graphic Communications** 

Communications (B.A.)

Speech Communications

Mass Communications

International Communication

**Public Relations** 

Mathematics (B.S.)

Mathematics

Computational Mathematics

Music (B.S.E.)

**Double Certification** 

Instrumental

Vocal

Social Studies (B.S.E.)

History

Political Science

Sociology

Theatre (A.A.)

Associate of Arts with Emphasis in Theatre

Minors: See Departments

# Role

The School of Arts and Sciences consists of nine departments representing over 15 disciplines. Although diverse in nature and subject, the departments in the School of Arts and Sciences share three principle responsibilities: teaching, scholarly and creative activity, and service to the college and community.

Quality teaching is our primary role and responsibility. Arts and Sciences faculty teach the majority of courses in the Core Curriculum, a diverse but integrated group of courses that form the foundation of higher education. The School of Arts and Sciences prepares students for a variety of careers, or for graduate and professional school.

The second function of the School of Arts and Sciences is scholarly and creative activity. Scholarly research and activity advances knowledge and improves teaching by keeping faculty current in their field and creating a dynamic environment for students. Creative activity and performance improves the proficiency of faculty and enhances teaching. The result is an enriched cultural experience for students and the community.

College and community service, the third function of the School of Arts and Sciences, provides opportunities for faculty to participate in a variety of college and community affairs. Faculty provide academic expertise and problem solving skills to the college and community. The school serves as a cultural resource by presenting films, art exhibitions, dramatic productions, musical concerts and recitals.



Art Building 205, 417.625.9563

**Faculty** Kyle - Head, Bray, Christensen, Hess, Hughes, Kujda, Noblett

Career opportunities available for the qualified bachelor of arts degree graduates are in commercial art, freelance and private studio lessons. This degree also prepares the graduate to enter an advanced degree program on the master's level in a specific art discipline. Graduates with a bachelor of science in education degree with a major in art are certified through the teacher education program to teach K-12 in the state of Missouri.

Degree requirements in the four art programs - B.A. (studio emphasis); B.A. (graphic communications); B.S.E. (one of two teaching fields); B.S.E. (single teaching field) - are such that it is extremely important that students majoring in art meet with their faculty advisers each semester. Students are responsible for contacting their adviser after completing 21 semester hours in art to make application for their Junior Review. For this review, students are required to submit a representative sampling of their creative work, a record of academic progress and a statement of intent and/or objectives for examination by a committee of the art faculty. Written permission of the Junior Review Committee is required for a student to enroll in Art 490 Senior Exhibit. The committee meets at the beginning of each fall and spring semester. Entering transfer students must make application for the review during their first semester. Application forms and more detailed information are available in the department of art office, 204 Art Building.

Core Curriculum requirement for non-art majors, for one course in Area 2, Humanities and Fine Arts, is fulfilled by Art 110, Art Appreciation.

# Bachelor of Arts with a Major in Art

Emphasis I Studio Art

	Semester I	Hou	ırs
Core Req	uirements (p. 33) 51*		48
Computer	Literacy Requirement		
(determin	ed by art department)		3
Foreign L	anguage (four courses		
in one lan			12
Art Requi	rements		53
Art 101	Basic Design	3	
Art 105	Design & Color Theory**	3	
Art 120	Beginning Ceramics	3	
Art 130	Beginning Drawing	3	
Art 211	Beginning Sculpture**	3	
Art 205	Beginning Jewelry**	3	
Art 230	Basic Form**	3	
Art 232	Beginning Painting**	3	
Art	Art History (upper division)	9	
Art 310	Transparent Watercolor**	3	
Art 312	Beginning Printmaking**	3	
Art 300	Advanced Drawing**		
OR			
Art 421	Life Drawing**	3	
Art 490	Senior Exhibit**	2	
Art Elective	es (300-400 level courses)	9	

\* Required language courses satisfy hrs or core curriculum

\*\*See Prerequisites

**Electives** 

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

# Bachelor of Arts with a Major in Art

**Emphasis II Graphic Communications** 

Semester Hours Core Requirements (p. 33) 51\* Computer Literacy Requirementdetermined by art department \*\* Foreign Language (four courses in one language) 12 **Art Requirements** 56 Art 101 Basic Design 3 Art 105 Design & Color Theory\*\* 3 Art 130 Beginning Drawing 3 Art 205 Beginning Jewelry\*\*\* OR Art 230 Basic Form\*\*\* 3 Art 215 Computer Design I\*\*\* 3 Art 240 Typography and Lettering3 Art Art History (upper division) 9 Art 232 Beginning Painting OR Art 300 Advanced Drawing\*\*\* 3 Art 421 Life Drawing\*\* 3 Art 310 Watercolor\*\*\* 3 Art 312 Beginning Printmaking\*\*\* 3 Art 315 Computer Design II\*\*\* 3 Art 325 Graphic Communications I\*\*\* 3 Art 350 Graphic Communications II\*\*\* 3 Art 425 Graphic Communications III\*\*\* 3 Art 450 Graphic Communications IV\*\*\*\*\* 3 Art 490 Senior Exhibit\*\*\* 2 **Electives** 5 **Additional Requirement:** CJAd 210 Basic Photography 3 124\*\*\*\*

# Suggested Elective Courses:

8

Art 120	Beginning Ceramics	3
Art 232	Beginning Painting***	3
Art 205	Beginning Jewelry***	3
Art 230	Basic Form***	3
Art 211	Beginning Sculpture***	3
Art 421	Life Drawing***	3
GB 320	Business	
	Communications***	3
MM 300	Principles of Marketing***	3
MM 401	Promotional Strategy***	3

\* Required language courses satisfy 3 hrs of core curriculum

\*\* Satisfied by Art Department requirements

\*\*\*See Prerequisites

\*\*\*\*Must include at least 40 upper division (300-400 level) hours.

\*\*\*\*\*Satisfies departmental computer literacy requirement.

# Bachelor of Science in Education with a Major in Art Grades K-12 Certification Plan A One of Two Teaching Fields

Semester Hours Core Requirements (p. 33) 51\* 48 **Art Requirements** 41 Art 101 Basic Design 3 Art 105 Design & Color Theory\*\* 3 Art 120 **Beginning Ceramics** 3 Art 130 Beginning Drawing 3 Art 200 Arts & Crafts 3 Art 211 Beginning Sculpture\*\* 3 Art 220 Art Education 2 Art 230 Basic Form\*\* 3 Art 232 Beginning Painting\*\* 3 Art 312 Beginning Printmaking\*\* Art Art History (upper division) 9 Art Electives 3 Second Teaching Field (some fields exceed 30 hours) **Education Certification Requirements** (p. 167) 41-42

\*Psy 100 satisfies certification requirements and 3 hours of the Core Curriculum. Area 3C \*\*See Prerequisites included with course descriptions

\*\*\*(Varies with 2nd field)

# Bachelor of Science in Education with a Major in Art Grades K-12 Certification Plan B Single Teaching Field

Semester Hours

160-161\*\*\*

Core Requ	uirements (p. 33) 51*	48
Art Requi		49
Art 101	Basic Design	3
Art 105	Design & Color Theory*	k
OR		
Art 230	Basic Form**	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 200	Arts & Crafts	3
Art 211	Beginning Sculpture**	3
Art 220	Art Education	2
Art 232	Beginning Painting**	3
Art 312	Beginning Printmaking**	3
Art	Art History	9
Art 490	Senior Exhibit**	2
Art	Electives	12
Education	<b>Certification Requirem</b>	ents
(p. 167)		41-42
	13	8-139

# 60 / Art

\*Psy 100 satisfies certification requirements and 3 hours of the Core Curriculum. Area 3C \*\*See Prerequisites included with course descriptions.

# Minor in Art

	Semester F	Hours
Art 101	Basic Design	3
Art 110	Art Appreciation	
OR		
Art	Art History	3
Art 120	<b>Beginning Ceramics</b>	3.
Art 130	Beginning Drawing	3
Art 211	Beginning Sculpture*	
OR		
Art 205	Beginning Jewelry*	
OR		
Art 230	Basic Form*	3
Art 232	Beginning Painting*	
OR		
Art 310	Watercolor*	3
Art 312	Beginning Printmaking*	3
		2

\*See Prerequisites included with course descriptions.

# Minor in Art With **Emphasis in Graphic Design**

Semester	Hours
gn	3
or Theory*	3
	3
y & Lettering	3
ations I*	3
ations II*	3
ations III*	3
	21
-	Semester gn or Theory* Drawing y & Lettering ations I* ations II*

\* See Prerequisites Recommended Class: Basic Photography

# Suggested Order of Study

# **Bachelor of Arts**

Major Code 1002

**Art Major** 

**Emphasis I: Studio Art** 

#### Freshman Year

1st Semes	ster	
Course		Hours
Art 101	Basic Design	3
Art 130	Beginning Drawing	3
CORE	[Eng 101 Comp I]	3

[Math 125 Cont Math] [Hist 110 U.S. History] [Kine 103 Lifetime Wellnes	3 3 s] 2 17
	17

#### 2nd Semester

Art 105	Design & Color Theory*	3
Art 230	Basic Form*	3
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 120 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

#### Sophomore Year

1st Semeste	r	
Art 205	Beginning Jewelry*	3
Art 120	Beginning Ceramics	3
CORE	[Bio 101 General Biology]	4
CORE	[Comp 105 Comp Literacy]	3
Art	Art History **	3
	•	16
2nd Semeste	er	
Art 110	Art Appreciation	3
Art 211	Beginning Sculpture*	3
CORE	[Phys 100 Fund of Phys So	i]5

[Soc 110 Intro to Sociology] 3

17

15

Beginning Painting

#### Junior Year

CORE

Art 232

1st Semester					
	Foreign Language				
	CORE	[Mus 110 Music Apprec]			
	OR				
	CORE	[Th 110 Theatre Apprec]	3		
	Comm 305	Intercultural Comm			
	OR				
	Anth 342	Comparative Cultures			
	OR				
	GB 310	International Business	3		
	Art 300	Advanced Drawing			
	OR				
	Art 421	Life Drawing	3		
	Art	Art History**	3		
			15		
	2nd Semest	er			
	Art	Art History**	3		
	Art 310	Watercolor	3		
	Art 312	Beginning Printmaking*	(		
	Foreign Lan		3 3 3		
	CORE	[PSc 120 Gov't:US/Sta/Loc]			

Selliol	I Cal	
1st Ser	nester	
Art 490	Senior Exhibit* 2	)
CORE	[Eng 281/282 American Lit] 3	3
Art	Electives***	)
CORE	[Econ 180 Amer Econ Sys] 3	3
Foreign	Language	3
	13	3

#### 2nd Semester

Art	Art History**	3
Art	Electives***	3
Electives	Approved by the adviser***	6
	Foreign Language	3
		15

#### \*See Prerequisites

**9 h	ours	requi	ired-	select	from	Art	301,	302,
303	or 30	4 Art	Hist	ory				
***	loct	from	300	or 400	) leve	I co	urses	3

[Department Recommendations]

#### **Bachelor of Arts**

Major Code 1003

# **Art Major**

**Emphasis II: Graphic Communications** 

#### Freshman Year

1st Semes	ter	
Course		Hours
Art 101	Basic Design	3
Art 130	Beginning Drawing	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 125 Cont Math]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 103 Lifetime Wellne	ess]2
CORE	[Psy 120 College Orient]	1
	1,	18

2nd Semeste	31	
Art 105	Design & Color Theory*	3
CJAd 210	Basic Photography	3
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 120 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

#### Sophomore Year

0001110111		
1st Semeste	r	
Art 205	Beginning Jewelry*	
OR		
Art 320	Basic Form*	3
Art 240	Typography & Lettering	3
Art 215	Computer Design I*	3
CORE	[Bio 101 General Biology]	4
CORE	[Eng 271/272 English Lit]	3
	. 3	16

### 2nd Semester

Art 232	Beginning Painting	
OR		
Art 300	Advanced Drawing*	3
Art 412	Life Drawing*	3
Art 315	Computer Design II*	3
CORE	[Phys 100 Phys Sci]	5
CORE	[Eng 281/282 American Lit]	3
		17

Junior Ye	ear	
1st Semes	ster	
Art 110	Art Appreciation	3
Art 310	Watercolor*	3
Art 325	Graphic Comm I*	3
		4.5

Λ4	ester		Sophomo		
Art	Art History**	3	1st Semes		
Art 312	Beginning Printmaking*	3	Take C-Ba	ase test	
Art 350	Graphic Comm II*	3	Educ 200	Orientation to Educ II	
Foreign La		3			
			Art 200	Arts & Crafts	4
CORE	[Soc 110 Intro to Sociolo	ogy] 3	Art 220	Art Education	1
		15	Art	Elective	
			CORE	[Bio 101 General Biology]	
Senior Ye	ar		CORE		
1st Semes				[Hist 110 U.S. History]	,
			CORE	[PSc 120 Gov't: U.S./Sta/Loc	c] (
Art	Art History**	3			19
Art 490	Senior Exhibit*	2			
Art 425	Graphic Comm III*	3	2nd Semes	ator	
CORE	[PSc 120 Gov't:U.S./Sta/Lo	-1 0			
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Foreign La	inguage	3	Educ 301/4	101 Computer Software***	3
		16	If computer	r literacy requirement is not	
		10			
0-10				specialty department.	
2nd Seme			Art 211	Beginning Sculpture*	3
Art	Art History**	3	Art 232	Beginning Painting*	3
Art 450	Graphic Comm IV* ***	3	CORE	[Eng 281/282 American Li	
CORE	[Econ 180 Amer Econ Sy				
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* See Prer			Pass media	a competencies.	
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	Art History		Educ 329	Ped Theo Meth & Prac	4
	departmental requirement for	or a com	Educ 321		
nuter appli	cation course.	a com-		Microteaching	2
puter appli	anon course.		Educ 423	Classroom Management	2
Departmen	nt Recommendations]		Note: See E	Ed 420 below****	
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bachelor	of Science in Education	n			
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Educ 337	Tchng Art in the Sec Scl	n 2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues	2
Select one:		
Educ 412	Indivi Curri Dev (2)	
OR		
Educ 420	Intro to Counseling**** (	(3)
OR		
Psy 412	Meas & Eval (2)	2-3
Educ 464	Student Teaching K-12	8
		16-17
*See Prereq		
**9 hrs. requ	ired—select from Art 301.	, 302,

303 or 304 Art History \*\*\*Satisfies departmental requirement for a

computer application course. \*\*\*\*Offered at night only. Must be taken the semester prior to student teaching. [Departmental Recommendations]

After accumulating 21 hrs. in art, students must make application for their Junior Review via their adviser.

Consult catalog for requirement for Plan A (Art instruction/certification for one of two teaching fields).

For additional information contact:

Mr. Nick Kyle

Office: Art Building 303 Phone: 417.625.3045

E-mail: kyle-n@mail.mssc.edu

# **Course Descriptions**

Art 101 (F and/or S) 3 hrs. cr. Basic Design

Foundation studio course that incorporates principles and elements of design in solving studio problems. Six studio hrs. per week. Lab fee required.

Art 105 (F and/or S) **Design and Color Theory** 

3 hrs. cr.

3 hrs. cr.

Foundation studio course dealing with the theo-

ries, problems and applications of color. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 or approval of instructor.

Art 110 (F, S) **Art Appreciation** 

A survey designed to increase appreciation of the visual arts through readings, slide lectures, library research and visits to the George A. Spiva Center for the Arts. Development of the cognitive and critical processes as they relate to the visual arts are emphasized. Specially recommended toward meeting Core Curriculum requirements for non-art majors.

# 62 / Art

Art 120 (F and/or S)

3 hrs. cr.

**Beginning Ceramics** 

Methods and techniques of throwing and/or hand building with application of glazing and firing. Six studio hrs. per week. Lab fee required.

Art 130 (F and/or S)

3 hrs. cr.

**Beginning Drawing** 

Development of perceptual drawing skills through the study of line, value, perspective, and composition using various media. Six studio hrs. per week. Lab fee required.

Art 200 (F or S)

3 hrs. cr.

**Arts & Crafts** 

Basic crafts survey exploring materials and processes of traditional and contemporary handicrafts.

Art 205 (F and/or S)

3 hrs. cr.

Beginning Jewelry Design/Metalsmithing Creative exploration of design fabrications, casting and forging processes. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and/or Art 105 or approval of instructor.

Art 211 (F and/or S)

3 hrs. cr.

**Beginning Sculpture** 

Exploration of forming methods involving wood, clay, plaster and mixed media with emphasis on additive and subtractive techniques. Six studio hrs. per week. Lab fee required. Prerequisite: Art 105 and/or Art 230, or approval of instructor.

Art 215 (F)

3 hrs. cr.

Computer Design I

Introduction to PageMaker and Illustrator programs used on the Macintosh platform. Students will study desktop publishing, page layout, proper use of type and images. File and disk management, memory, storage and scanning will be included. Six studio hours per week. Lab fee required. Prerequisite: Art 101, or approval of instructor.

Art 220 (F, S)

2 hrs. cr.

Art for the Elementary School Teacher

Art theory and experiences, curriculum theory and appropriate materials, objectives, methods, activities, and resources preparatory to instruction of elementary school students. Lecture, discussion, and studio. Required for both elementary education majors and secondary art education majors. Lab fee required.

Art 230 (F and/or S)

3 hrs. cr.

**Basic Form** 

Studio exploration of the relationships of parts to form. Projects include two and three dimensional problems. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101.

Art 232 (F and/or S)

3 hrs. cr.

**Beginning Painting** 

Procedures, techniques, historical processes and basic fundamentals of painting with acrylic. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and Art 130.

Art 240

3 hrs. cr.

Typography and Lettering

A studio course introducing the art of lettering/ typography. Designed to develop the skills needed to competently use the tools, materials and methods employed by professionals in rendering layouts and comprehensives. All assignments use lettering or typography as the primary design element. Six studio hrs. per week. Lab fee required.

Art 300 (F and/or S)

3 hrs. cr.

**Advanced Drawing** 

Advanced investigation of various drawing elements including compositions, structure and aesthetics. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 101 and Art 130 or approval of instructor.

Art 301 (S, Odd)

3 hrs. cr.

Art History, Prehistoric Through Gothic Historic survey of the visual arts from prehistoric through the Middle Ages. Primarily in the Near East, North Africa and Europe.

Art 302 (F, Odd)

3 hrs. cr.

Art History, Renaissance

**Through Baroque** 

Historical survey of the visual arts of Europe from the Early Renaissance through the Baroque and Rococo. Comparative study of other cultures included.

Art 303 (S, Even)

3 hrs. cr.

Art History, 19th Century

Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism and Post-Impressionism.

Art 304 (F, Even)

3 hrs. cr.

Art History, 20th Century

Study of the mainstreams of Western Art in Europe and the United States, including its sources and influences. Emphasis placed on the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from 1945 to present.

Art 305 (Demand)

3 hrs. cr.

Art History: Special Topics

Student art problems investigated with group participation. Requirements: research papers and oral presentations of investigated problems. Prerequisite: 21 credit hrs. in art. Strongly recommended by the art faculty.

Art 310 (F or S)

3 hrs. cr.

**Transparent Watercolor** 

Techniques and aesthetic processes of watercolor painting using landscape, figures and still lifes as subjects. Six studio hrs. per week. Lab fee required. May be repeated for a total of six credit hrs. Prerequisite: Art 101 and Art 130 or permission of instructor.

Art 312 (F and/or S)

3 hrs. cr.

Introduction to Printmaking

Introduction to the printmaking tools, materials, techniques, and process of the (1) Collograph; (2) Intaglio: etching, drypoint, aquatint, and softground; (3) Lithography; (4) Monotype and monoprint; (5) Relief: woodcut, linocut. Emphasis on drawing and designing. Studio hrs. per week. Lab fee required. Prerequisite: Art 130.

Art 315 (S)

3 hrs. cr.

Computer Design II

Introduction to GoLive and Photoshop programs used on a Macintosh platform. Students will study photo editing, creative illustration and web design. Six studio hours per week. Lab fee required. Prerequisite: Art 101, Art 215 or approval of instructor.

Art 321 (F and/or S)

3 hrs. cr.

**Advanced Sculpture** 

Extension of Beginning Sculpture with introduction to the lost wax technique of casting bronze sculpture. Each student is permitted to cast one piece per semester. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 211.

Art 322 (F and/or S)

3 hrs. cr.

**Advanced Sculpture** 

Continuation of Art 321. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs.

Art 325 (F)

3 hrs. cr.

**Graphic Communications I** 

Introduction to commercial art with an emphasis on the recognition, duplication, function and aesthetic use of typography/pictorial images as a visual language. Includes lettering, layout and type/image relationships. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101, Art 105 and Art 130.

Art 330 (F and/or S)

3 hrs. cr.

Advanced Jewelry Design/Metalsmithing

Exploration of advanced methods and techniques of complex forms for jewelry and metalsmithing design. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 205 or approval of instructor.

Art 350 (S)

3 hrs. cr.

Graphic Communications II

Continued study of Graphic Communications I with an emphasis on the design and preparation of two-dimensional projects for printing and/or video reproduction. Includes an introduction to the development of an individual portfolio. Six studio hrs. per week. Lab fee required. Prerequisite: Art 325.

Art 401 (F and/or S)

3 hrs. cr.

**Advanced Painting** 

Students select an individual problem for self-development using a variety of media. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 101, Art 130 and Art 232.

### Art 407 (F and/or S)

3 hrs. cr.

# **Advanced Ceramics**

Advanced methods, techniques and procedures of pottery making and design in clay. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 120 or approval of instructor.

# Art 420 (F and/or S)

3 hrs. cr.

#### Special Projects in Art I

Advanced studio survey selected by the student in a particular area of art. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper documenting the special project(s). Prerequisite: Completion of 2 advanced courses in the same area of concentration and approval of instructor and department head. Lab fee required. May be repeated for a total of 6 credit hrs.

#### Art 421 (F and/or S)

3 hrs. cr.

#### Life Drawing

Drawing and/or painting the human figure with emphasis on anatomy, structure and form. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisites: Art 130 and Art 232 or Art 300.

#### Art 425 (F)

3 hrs. cr.

### **Graphic Communications III**

Continued study of Graphic Communications II with an emphasis on the design and preparation of two and three-dimensional projects for printing and/or video reproduction. Includes an introduction to computer-aided graphic techniques and equipment. Six studio hrs. per week. Lab fee required. Prerequisite: Art 350.

#### Art 430 (F and/or S)

3 hrs. cr.

# **Advanced Printmaking**

Stencils (silkscreen), lithographic, advanced intaglio, relief and monoprint processes. Advanced studio methods for color registration and mixed media procedures. Emphasis on design, drawing concept, technical proficiency and presentation. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 312 or approval of instructor.

#### Art 440 (F and/or S)

3 hrs. cr.

#### Special Projects in Art II

Same as Art 420. May be repeated for a total 6 credit hrs. Lab fee may be required.

#### Art 450 (S)

3 hrs. cr.

# **Graphic Communications IV**

Advance study of graphic design layout, production and/or video reproduction. Includes advanced projects with computer-aided graphic techniques and equipment. Completion of an individual portfolio is required. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 425.

#### Art 475 (Demand)

1-8 hrs. cr.

# **Graphic Communications Internship** An off-campus work experience in a professional

setting for advanced art majors with a graphic communications emphasis. All internships must conform with institutional policy regarding the number of hrs. per credit and with contractual agreements involving the cooperating organization. Prerequisite: 6 hrs. of graphic communications, junior standing or above and approval of departmental committee.

# Art 490 (F)

2 hrs. cr.

#### Senior Exhibit

Prepares senior art majors for their exhibit which is normally scheduled during spring in the Spiva Art Gallery. One hr. lecture, 2 hrs. of studio per week. Prerequisite: Senior standing and permission of the Junior Review Committee.

#### Art 498

1-3 hrs. cr.

# **Art Seminar**

For upper division Art majors or related majors. Topics and methods of current interest not included in other courses. Enrollment by permission of seminar instructor or department head required. Prerequisites to be determined by Art Department.

#### Art 499 (F and/or S) Independent Study

1-3 hrs. cr.

An in-depth study of some specialized topic or project not considered in the art department course offerings. An adviser from the art faculty will structure the independent study with the approval of the department head. Prerequisite: At least 90 hours completed and an overall cumulative GPA of 3.0 or higher. Enrollment must be approved by the department head and school dean.

# Biology

Reynolds Hall 210, 417.625.9376

Faculty Wells - Head, Bay, Black, Fletcher. Heth, Jackson, Kennedy, Lawson, Lemmons, Plucinski, Roettger, Schlink

A bachelor of science in biology will prepare students for a variety of careers in biotechnology, pharmaceutical and food technology industries, applied and basic research, environmental and wildlife biology, as well as conservation and resource management. Many students use the biology major as preparation for a health related professional career such as medicine, dentistry, optometry, veterinary medicine, pharmacy, and physical therapy.

Students interested in education may pursue the bachelor of science in education with a major in unified science, biology endorsement. Completion of this program qualifies you to teach introductory level courses in biology, chemistry, earth science and physics, and to teach advanced courses in biology at the secondary level.

Internships are encouraged for biology majors. These internships allow the students to gain practical experience in a work or research setting. Students work under the joint supervision of a faculty member and a representative of the institute providing the intern experience.

# Bachelor of Science with a Major in Biology

(Major Codes 0401-0409)

17-18 124\*\*\*

Semester Hours			
Core Req	uirements (p. 33) 51*	39	
	Requirements	40	
Bio 101	General Biology	4	
Bio 112	Botanical Survey	3	
Bio 122	Zoological Survey	3	
Bio 210	Molecular Biology	4	
Bio 231	General & Medical		
	Microbiology	5	
Bio 305	Genetics	4	
Bio 490	Seminar	1	
Bio	Upper Division Botany		
	Elective**	3-4	
Bio	Upper Division Zoology		
	Elective**	3-5	
Bio	Upper Division		
	Ecology Elective**	4	
Bio	Electives	3-6	
	g Requirements	25	
	Algebra and Trig		
(Math 130	+ Math 135 = Math 140)		
OR			
Math 150	Calculus with Analytic		
	Geometry I	5	
Chem 101	General Chemistry I	5	
	General Chemistry II	5	
Chem 300	Intro to Modern Organic		
	Chemistry		
OR			
	Organic Chemistry I	5	
	Elem College Physics I	5	
	omputer Requirement	2-3	
Bio 303	Comp Apps in Biology (	2)	
OR			
Bio 304	Geographic Info Sys (3)		
OR			
Approved Computer Course (3) 2-3			

**Electives** 

# 64 / Biology

\*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hours of the Core Curriculum.

\*\*Upper division botany courses include: Bio 316, Bio 322, Bio 371, and Bio 440. Upper division zoology courses include: Bio 301, Bio 308, Bio 331, Bio 332, Bio 361, Bio 362, Bio 422, Bio 431, Bio 433, Bio 442, and Bio 456. Upper division ecology courses include: Bio 312, Bio 402, and Bio 481.
\*\*\*Must include at least 40 upper division (300 - 400 level) hrs.

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major.

Although not required for the B.S. in Biology, some students may need additional courses to meet admission requirements for professional or graduate school. Students should contact their adviser and prospective professional or graduate school for information regarding the specific courses required.

Bachelor of Science in Education with a Major in Unified Science, Biology Endorsement (Major Code 9037) Unified Science With an Endorsement in Biology

Semester Hours

Semester Hours			
Core Requ	uirements (p. 33)	36	
Educ 301 Use of Computer Software			
	in the Classroom	3	
Biology R	34-36		
Required	Biology Courses	10	
Bio 101	General Biology	4	
Bio 112	Botanical Survey	3	
	Zoological Survey	3	
Microbiol	ogy, Genetics, Cell Biolo	ogy	
& Bioche	mistry, and Evolution	17-18	
Bio 305	Genetics	4	
Bio 210	Molecular Biology	4	
Bio 231	General and Medical		
	Microbiology	5	
Bio 221	Human Anatomy		
	and Physiology II (5)		
OR			
Bio 301	Human Physiology (4)	4-5	
Botany -	select one:	3-4	
Bio 316	Economic Botany (3)		
Bio 322	Taxonomy of Flowering		

Plants (4)

Bio 371	Plant Physiology (4)
Bio 440	Plant Pathology (4)

Ecology - Select one.				
Bio 312	Environmental Biology (4)			
Bio 402	General Ecology (4)			
Bio 481	Aquatic Ecology (4)			

Supporting Requirements	35
Phil 420 Philosophy of Science	
OR	
Approved Substitute	3
Math 140 Algebra and Trig	5
(Math 130 + Math 135 = Math 140)	
Chem 101 General Chemistry I	5
Chem 102 General Chemistry II	5
Phys 151 Elem College Physics I	5
Phys 152 Elem College Physics II	4
Geol 110 Intro to Geology	5
Geol 180 Intro to Meteorology	3
	40-42
•	8-151

\*Required courses in biology, chemistry, mathematics, physics and psychology satisfy major requirements and 15 hrs. of the Core Curriculum.

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major.

# Minor in Biology

Requires a minimum of 20 biology credit hours. At least six semester hours must be upper division (300-400 level) and at least 12 semester hours must be above the 100 level. Courses must be chosen in consultation with an academic adviser from the Department of Biology.

# Suggested Order of Study

Bachelor of Science
Major codes 401, 408, 409;
Pre-professional students (402-407)
should see their adviser for specific courses required for graduate or professional school.

Biology	N	/lajor
Freshma	n	Year

1st Semest	er	
Course		Hours
Bio 101	General Biology	4
Math 140	Algebra and Trig	5
CORE	[Eng 101 Comp I]	3
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
,		16

2nd Semest	er	
Chem 101	Gen Chemistry I	5
Bio 112	Botanical Survey	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
		16

#### Sophomore Year

1st Semeste	er	
Bio 122	Zoological Survey	3
Bio 231	Gen & Med Micro	5
Chem 102	General Chemistry II	5
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
	•	16

2nd Semest	er	
Bio 210	Molecular Biology	4
Chem 300	Intro Organic Chemistry	
OR		
Chem 301	Organic Chemistry I	5
Bio 303	Computer Apps in Biology	
OR		
Approved co	omputing course	2-3
CORE	[Kine 101 Physical Activity]	1
CORE	[International Cultural Stu]	3
	15	5-16

# Junior Year

ouillo ou.		
1st Semeste	er	
Bio 305	Genetics	4
Bio	Upper Division Zoology	3-5
Phys 151	Elem Col Phys I	5
CORE	[Humanities and Fine Arts]	3
	15	5-17

2nd Semest	er	
Bio	Biology Elective	4-5
Bio	Upper Division Botany	3-4
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
	-	

Senior Ye			Summer S	emester		
1st Semes			CORE	[Humanities and Fine Arts]	3	0
Elect	[Biology Elective]	4-5	CORE	[Comm100 Oral Comm]	3	Course L
Elect	[Biology Elective]	4-5			6	004100
CORE	[Hist 120 U.S. History]	3				
CORE	[Behavioral Science]	3	Junior Ye	ar		
		4-16	1st Semes	ter		Bio 101 (F, S)
				a Competencies.		General Biology
2nd Seme	ster		Educ 329	Ped Theo, Meth & Prac	4	General treatment of
Bio	Upper Division Ecology	4	Educ 321	Microteaching		organisms including
Bio 490	Seminar	1			2	metabolism, genetic
CORE			Educ 423	Classroom Management	2	Emphasis on these I
	[Econ 180 Am Econ Sys]	3	CORE	[Kine 103 Lifetime Wellness]		relate to humans. Th
Elect	[Biology Elective]	4	Psy 310	Education Psychology	2	per week. Fulfills Cor
Elect	[Biology Elective]	4	Phil 402	Philosophy of Science		Area 3, section A.
		16	OR			Area 3, Section A.
[Departme	nt Recommendations]		Approved S		3	Di- 110 (F 0)
			Phys 152	Elem Coll Phys II	4	Bio 112 (F, S)
	nust satisfy Writing Intensive	require-			19	<b>Botanical Survey</b>
ments. (Se	ee p. 32)					The diversity of plan
			2nd Semes	ster		worldwide are studie
			Bio 402	General Ecology		phology, anatomy, to
			OR	3,		classification. Scien
Bachelo	or of Science in Educat	tion	- 1 -	Ecology Elective	4	suffixes, word deriva
			Bio 210	Molecular Biology	4	emphasized, as well
,	ode 9037		Bio 322	Taxonomy of Flowering Plan		cesses of plants. Tw
Unified S	Science with Biology		OR	raxonomy of riowening Flam	15	week. Prerequisite: E
Endorse				Potony Elective	2.4	
				,	3-4	Bio 121 (F, S)
F	V		Educ 422	Content Area Lit: Secondary		Human Anatomy
Freshman			CORE	[Econ 180 Amer Econ System		
1st Semes				16-	17	The first in a two-c
Course		Hours				human anatomy and
Bio 101	General Biology	4	Summer Se			ing a body system ap
CORE	[Eng 101 Comp I]	3	CORE	[Hist 320 U.S.1877-Present]	3	cept of scientific inc
Math 140	Algebra & Trig	5				concepts of cell biol
Psy 100	General Psychology	3	Senior Yea	ar		genetics. Three lect
Psy 120	College Orientation	1	1st Semest	er		per week. Fulfills th
	3	16	Apply for st	udent teaching. All course work	k must	ments in Area 3, Se
				ed except for Professional Ser		Health, Environmenta
2nd Semes	ster		courses.	ou anach ion i reneceional co.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Nursing majors.
Bio 122	Zoology Survey	3	Bio 221	Human Anatomy/Phys II (5)		3,
3io 231	Gen/Med Microbiology	5	OR	raman / materny// mye m (e)		Bio 122 (F, S)
CORE	[Humanities and Fine Arts]	3	Bio 301	Human Physiology (4)	1-5	Zoological Survey
			CORE	[PSc 120 Gov't:US/Sta/Loc]		-
Chem 101	General Chemistry I	5			3	Morphology, physiolo
		16	Geo 110	Intro to Geology	5	mals with emphasis
			CORE	[International Cultural Stud]	3	Two lectures, one 2-h
Summer S				15-	16	site: Bio 101.
CORE	[Humanities & Fine Arts]	3				
CORE	[Eng 102 Comp II]	3	2nd Semes			Bio 201 (S)
		6	Educ 333	Tching Sci in Sec Sch	3	Human Anatomy
			Educ 402	Foundations of Education *	2	A general treatment of
Sophomor	e Year		Educ 432	Critical Issues	2	tissue through the org
st Semest			Select One:			zation. The lecture pr
Take C-Ba			Educ 412	Indivi Curr Development (2)		organizational frame
Bio 112	Botanical Survey	3	OR	(=)		utilizes microscopy, d
Chem 102	,	5	Educ 420	Intro to Counseling (3)		
CORE	[Kine 101 Physical Activity]	1	OR	mile to counseling (c)		els, and anatomical
			Psy 412	Meas & Eval (2)	2-3	lecture, one 3-hr. lab
Geol 180	Intro to Meteorology	3	•			biology major granted
Psy 301	Adolescent Psychology	3	Educ 462	Stu Tchng in Sec School	8	Bio 201 or 331. Prei
		15		17-1	Ö	
						Bio 210 (F, S)
and Semes				t Recommendations] -not nece	essar-	Molecular Biology
	dmission to teacher education	).	ily in this or			Physiological charact
hys 151	Elem Col Phys I	5	Program mi	ust satisfy Writing Intensive re	quire-	molecular levels of be
3io 305	Genetics	4	ments. (See	e page 32.)		Three lectures, one 2
Educ 301	Computer Software	3	,			uisites: Bio 101 and 0
duc 302	[Psy 302] The Excep Child	2	For addition	onal information contact:		diones. Die 101 and C
ORE	[Hist 110 U.S. 1877-Present					
		17	Dr. Scott V			
				ynolds Hall 215		
			Dhana 11	7 60E 0E10		

Phone: 417.625.9510

E-mail: wells-s@mail.mssc.edu

# **Descriptions**

4 hrs. cr.

of unifying principles of living g cell structure and function, tics, evolution and ecology. biological principles as they Three lectures, one 2-hr. lab ore Curriculum requirement in

3 hrs. cr.

ants, algae, and fungi found lied in terms of habitat, morterminology, evolution, and entific word roots, prefixes, atives, and relationships are ell as some physiological prowo lectures, one 2-hr. lab per Bio 101.

4 hrs. cr. y and Physiology I

course sequence in which nd physiology are studied usapproach. Includes the connquiry and the fundamental ology, cell metabolism, and ctures and one, two-hour lab the core curriculum require-Section A for certain Allied ntal Health, Kinesiology, and

3 hrs. cr.

logy and classification of anion the diversity of animals. -hr. lab per week. Prerequi-

4 hrs. cr.

of human anatomy from the rgan system levels of organiprovides the conceptual and ework for laboratory, which dissection, anatomical modsoftware. Three hours of per week. Credit toward the ed for one anatomy course: erequisite: Bio 101.

4 hrs. cr. (Writing Intensive) cteristics and function at the both plant and animal cells. 2-hr. lab per week. Prereq-Chem 102.

# 66 / Biology

Bio 221 (F, S)

5 hrs. cr.

**Human Anatomy and Physiology II** 

This course is a continuation of Bio 121 – Anatomy and Physiology I. A systems approach will be used to emphasize the interrelationships between form and function at the gross and microscopic levels of human organization. Three lectures and two, two-hour labs per week. Prerequisite: Bio 121.

Bio 231 (F, S)

5 hrs. cr.

General and Medical Microbiology

Structure and function of microorganisms. Topics include general principles of microbiology, immunology and identification of microorganisms. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 101 or 121. Chem 100 or 101 strongly recommended.

Bio 240 (S)

3 hrs. cr.

**Radiation Biology** 

Survey of various types of radiation affecting humans, the uses of radiation and methods for monitoring radiation levels. Emphasis on the physiological damage that occurs to tissues following ionizing radiation. Three lectures per week. Prerequisites: Five hrs. of chemistry or acceptance into the School of Radiologic Technology.

Bio 261 (Demand)

3 hre c

**Animal Nutrition** 

Fundamental principles of animal nutrition with special emphasis given to applied nutrition and life-cycle feeding of domestic animals. Three lectures per week. Prerequisite: Bio 210.

Bio 290 (Demand)

2 hrs. cr.

Research Methods in Biology

(Writing Intensive)

Development of investigational and technical skills required in environmental health, biology and related fields. Familiarizes students with research design and statistical analysis. Two hours of lecture per week. Recommended for students who wish to enroll in Bio 499 Problems in Biology. Prerequisite: Bio 101 and Math 140.

Bio 298 (Demand)

1-8 hrs. cr.

Selected Topics in Biology

Specific topic or topics not normally included in another course. Prerequisites: Bio 101.

Bio 301 (F)

4 hrs. o

**Human Physiology** 

A general treatment of normal human physiology which emphasizes physiological control and homeostasis at the organ system level of organization. Lecture focuses on physiological processes and concepts; the lab emphasizes the measurement of physiological variables. Three hours of lecture and one 3-hr. lab per week. Credit toward the biology major granted for one physiology course: Bio 221, 301, or 431. Prerequisite: Bio 101.

Bio 303 (Demand)

2 hrs. cr.

Computer Applications in Biology

Explores ways in which microcomputers are used to better understand and study biological phenomena. Satisfies the computer literacy requirement for biology and environmental health majors. One lecture and 3 hours of lab per week. Prerequisites: Bio 101.

Bio 304 (F, Odd)

3 hrs. cr.

**Geographic Information Systems** 

Explores the expanding use of Geographic Information Systems (GIS) in ecology, environmental health, and related fields. Satisfies the computer literacy requirement for biology and environmental health majors. Lecture and lab scheduled equivalent to 3 credit hours. Prerequisites: Bio 101. (Cross-listed in Environmental Health)

Bio 305 (F, S)

4 hrs. cr.

Genetics (Writing Intensive)
Introduction to principles of heredity, gene structure, expression and regulation. Emphasis on cytological and molecular approaches to nucleic acid replication, transcription, translation and other genetic mechanisms. Lab exercises illustrate genetic principles and techniques used in modern

genetic research. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101.

Bio 308 (F,S)

4 hrs. cr.

Pathophysiology

Altered physiological states, the cellular manifestations and causes of disease and adaptation to the alterations. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 221 or 301.

Bio 312 (F)

4 hrs. cr.

Environmental Biology (Writing Intensive) Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101 or 121. (Cross-listed in Environmental Health.)

Bio 316 (F)

3 hrs. cr.

**Economic Botany** 

Economic uses of plants, and present and possible future value of lower plants. Emphasis on economic aspects of higher plants from an agricultural, horticultural and crop selection viewpoint as well as from a view of pharmacological usage, etc. Three lectures a week. Prerequisite: Bio 101.

Bio 322 (S)

4 hrs. cr.

**Taxonomy of Flowering Plants** 

Relationships among selected plant groups with emphasis on classification and descriptions of taxa, nomenclature and concepts concerning the evolutionary sequence of various plant characters. Southwestern Missouri flora emphasized. Two lectures, two 2-hr labs per week. Prerequisite: Bio 112.

Bio 331 (F)

5 hre cr

**Comparative Vertebrate Anatomy** 

Fundamental course designed to enhance understanding and appreciation of the structure and adaptations of vertebrates. Emphasis on evolution and the relationship between structure and function. Two lectures, two 3-hr. labs per week. Credit toward the biology major granted for one anatomy course: Bio 201 or 331. Prerequisite: Bio 122.

Bio 332 (F, Even)

4 hrs. cr.

Introduction to Entomology

Collecting methods, taxonomy, life history, morphology and evolution of insects. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.

Bio 350 (Demand)

2 hrs. cr.

**Techniques in Microbiology** 

Training in molecular techniques in microbiology through analysis of bacterial antibiotic resistance patterns and their medical ramifications. Includes the origin, incidence, effects, and prevention of antibiotic resistance. Techniques include screening and harvesting plasmid DNA and transference of plasmid DNA. Prerequisite: Bio 231.

Bio 352 (Demand)

1-3 hrs. cr.

**Biomes** 

An in depth study of a selected ecosystem. The interactions between plants and animals with their abiotic environment are studied in the classroom and during an extended field trip usually lasting one week or more. The habitat chosen for study varies from year to year and some trips require physical conditioning or specialized training. Living conditions range from primitive to reasonably comfortable dormitories. Students are required to bear the cost of the trip. Prerequisites: Bio 112, 122 and permission.

Bio 361 (Demand)

4 hrs. cr.

**Parasitology** 

Systematic investigation of the numerous parasites found in vertebrates. Emphasis on life cycles of parasites that infect humans and domestic animals. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.

Bio 362 (F, Even)

4 hrs. cr.

Virology

Structure, classification and life cycles of bacterial, animal and plant viruses, their significance in disease (including cancer) and the use of viruses in modern biological research. The laboratory will stress the cultivation of viruses in bacterial and other cells. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 231 and 305.

Bio 364 (F, Odd)

3 hrs. cr.

Cell Biology
A current perspective on cell biology will be

addressed by examining various aspects of cell structure and function. Emphasis will be on communication and regulation mechanisms in both normal and abnormal states. In addition, the historical aspects of cell biology research and the techniques used by researchers will be discussed.

# Biology, Chemistry / 67

Specific topics will be chosen each semester depending on current research with the use of primary literature to illustrate important concepts. Prerequisite: Bio 210.

370 (Demand)

3 hrs. cr.

#### **Environmental Health**

Contemporary environmental health problems and public protection measures, including public health disease prevention and environmental health hazards. Three lectures per week. Prerequisite: Bio 101 or 121. (Cross-listed in Environmental Health)

Bio 371 (S, Odd)

4 hrs. cr.

Plant Physiology

Introduction to plant physiology emphasizing a review of the cell, plant biochemistry, regulation of plant development and factors producing physiological stress in plants. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 112 and 210.

Bio 380 (S, Odd)

3 hrs. cr.

#### Epidemiology

Introduction to the concepts, principles and methods useful in the surveillance and investigation of communicable disease. Prerequisites: Bio 101 or 121. (Cross-listed in Environmental Health)

Bio 402 (Demand)

4 hrs. cr.

**General Ecology** (Writing Intensive) Study of plant and animal communities and their interaction within the environment. Emphasis on flora and fauna of Southwest Missouri and soils. climate and other major environmental factors responsible for the distribution and association of plants and animals. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 112 and 122.

Bio 422 (Demand)

5 hrs. cr.

Invertebrate Zoology

Classification, morphology, physiology, development and evolution of invertebrate animals. Three lectures, two 2-hr labs per week. Prerequisite: Bio 122.

Bio 431 (Demand)

4 hrs. cr.

**Animal Physiology** 

Comparative approach to the physiology of animals with emphasis on laboratory studies of both mammalian and non-mammalian vertebrates. Three lectures and one 3-hr lab per week. Credit toward the biology major granted for only one physiology course: Bio 301 or Bio 431.

Bio 433 (S, Even)

4 hrs. cr.

Histology

Detailed study of microscopic structure of animal tissues and organs with special emphasis on mammalian tissue. Three lectures, one 3-hr. lab per week Prerequisite: Bio 201 or 331.

Bio 440 (F, Odd) Plant Pathology 4 hrs. cr.

Historical significance of plant pathology, the physiological response of plants to abiotic factors, the anatomical and physiological aspects of plant susceptibility to disease and examples of management systems. Includes major diseases caused by bacteria, fungi and viruses. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 112.

Bio 442 (S, Odd)

5 hrs. cr.

Pathogenic Bacteriology

A study of the structure, identification and pathology of the infectious bacteria. Three hours of lecture and two 2-hr. labs per week. Prerequisite:

Bio 450 (F, S)

1-8 hrs. cr.

Internship in Biology

In conference with a departmental board a half semester in advance, the student shall elect to work and observe in any area of applied biology in which on-the-job experience would be beneficial to the students training. Prerequisites: At least a junior standing in biology with a minimum of 20 biology hrs and 20 upper division hrs or by permission.

Bio 456 (S, Even)

4 hrs. cr.

Immunology

Cellular and molecular basis of the immune response in vertebrates including structure, induction and regulation of the immune response. Autoimmune disorders, vaccines, transplantation and diagnostic immunology will also be presented. The laboratory will stress the induction and manipulation of the immune response. Three lectures and one 3-hr. lab per week. Prerequisites: 231 and 305.

Bio 481 (S)

4 hrs. cr.

**Aquatic Ecology** 

Analysis of components of freshwater systems, both impoundment and stream environments. Three hrs. lecture, one 2-hr. lab per week. Prerequisite: Bio 122.

Bio 490 (F, S)

1 hr. cr.

Seminar

Instruction on presenting scientific research with discussion and critique of peer reviewed articles. Students will present a seminar of a biological topic. Primarily for biology majors who have completed their graduation application. One meeting per week.

Bio 498 (Demand)

1-5 hrs. cr.

Seminar in Biology

For upper division majors only. Meets regularly a minimum number of hrs. Designed to give specialized instruction in some discipline of biology not covered in other courses. Prerequisites: Junior standing, 20 hrs. in biology and a minimum GPA of 2.5 in biology or permission.

Bio 499 (F, S)

Problems in Biology

1-3 hrs. cr.

Individual work under the supervision of a staff member, with the credit and hrs. to be arranged. Problems may be undertaken in any field of biology, with adequate preparation and the consent of the supervising instructor, department head and school dean. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of biology.



Reynolds Hall 210, 417.625.9376

Faculty Sloan - Head, Albright, Archer, Garoutte, Mosher, Summerfield

Chemistry graduates will find an impressive array of options and exciting opportunities in fields such as basic research, environmental protection, instrumentation. new product and process development, technical marketing, market research, forensic chemistry, teaching at all levels and information science. Moreover, an education in chemistry is valuable in health sciences such as medicine, pharmacology, clinical chemistry and industrial hygiene. The first step into a future in chemistry is a formal education. Since chemistry is such a broad field and holds diverse career opportunities, students should plan their education with a goal in mind.

# Bachelor of Arts with a Major in Chemistry

	Semester	Hours
Core Requ	irements (p. 33)	51* 43
Foreign La	anguage (four courses	in
one langua	age)	12
Chemistry	Requirements	31
Chem 101	General Chemistry I**	5
Chem 102	General Chemistry II**	5
Chem 201	Analytical Chemistry I**	5
Chem 320	Computer Applications	
	in Chemistry*	2
AND BOTH		
Chem 301	Organic Chemistry I	5
Chem 302	Organic Chemistry II	5
AND		
Upper Divis	sion Chemistry Electives	
	(4 hrs) excluding	
	Chem 300	4

# 68 / Chemistry

OR BOTH		
Chem 300	Intro to Modern Organic	_
	Chemistry	5
Chem 421 AND	Analytical Chemistry II	5
Upper Divis	sion Chemistry Electives	
	(4 hrs.) excluding	
	Chem 301 & Chem 302	4
Supporting	g Requirements	14
Phys 151	Elementary College	
-	Physics I**	5
Phys 152	Elementary College	
	Physics II**	4
Math 150	Calculus with Analytic	
	Geom I**	5

\*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

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\*\*See Prerequisites

**Electives** 

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

Note: A bachelor of arts degree in chemistry is for students who need some knowledge of chemistry as a basis for work in other fields but who do not expect to become professional chemists.

# Bachelor of Science with a Major in Chemistry

	Semester	Hours	
Core Requ	43		
Chemistry	Requirements	35	
Chem 101	General Chemistry I**	5	
Chem 102	General Chemistry II**	5	
Chem 201	Analytical Chemistry I*	* 5	
Chem 301	Organic Chemistry I**	5	
Chem 302	Organic Chemistry II**	5	
Chem 320	Computer Applications		
	in Chemistry*	2	
Chem 401	Physical Chemistry I**	4	
Chem 402	Physical Chemistry II**	4	
Supporting	g Requirements	23	
Phys 160	General Physics I**	3	
Phys 270	General Physics II**	5	
Phys 280	General Physics III**	5	
Math 150	Calculus with Analytic		
	Geometry I**	5	
Math 250	Calculus with Analytic		
	Geometry II**	5	
Electives*	Electives***		
		124****	

\*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

#### \*\*See Prerequisites

\*\*\*Suggested Electives (Chem 421, Chem 422, Chem 427, Chem 472, Math 260, Math 322, Phys 372, Phys 341)

\*\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

Semester Hours

# Bachelor of Science in Education with a Major in Unified Science, Chemistry Endorsement Grades 9-12 Certification Unified Science with a Chemistry Endorsement

	Selliestel I	10015	
Core Requ	irements (p. 33) 51*	36	
Chemistry Requirements 27			
Chem 201	Analytical Chemistry I**	5	
Chem 301	Organic Chemistry I**	5	
Chem 302	Organic Chemistry II**	5	
Chem 320	Computer Applications		
	in Chemistry	2	
Chem 351	Biochemistry**	4	
Chem 401	Physical Chemistry I**	4	
Chem 496	Problems in Chemistry	2	
Supporting	g Requirements	60	
Phil 420	Philosophy of Science	3	
Bio 101	General Biology	4	
Bio 112	Botanical Survey**	4	
Bio 122	Zoological Survey**	4	
Chem 101	General Chemistry I**	5	
Chem 102	General Chemistry II**	5	
Phys 160	General Physics I**	3	
Phys 270	General Physics II**	5	
Phys 280	General Physics III**	5	
Geol 110	Intro to Geology	5	
Geol 180	Intro to Meteorology	3	
Math 150	Calculus/Analytic		
	Geometry I**	5	
Math 250	Calculus/Analytic		
	Geometry II**	5	
Select one			
Bio 312	Environmental Biology	4	

\*Required chemistry, physics, mathematics, psychology and biology courses satisfy major requirements and 15 hours of the Core Curriculum.

General Ecology

Aquatic Ecology

Geol 300 Environmental Geology 4

Education Certification Requirements

\*\*See Prerequisites

Bio 402

Bio 481

(p. 167)

# Minor in Chemistry

	Semester	Hours
Chem 101	General Chemistry I*	5
Chem 102	General Chemistry II*	5
Chem 201 AND	Analytical Chemistry I*	5
Chem 300	Introduction to Modern	
	Organic Chemistry*	5
OR BOTH		
Chem 301	Organic Chemistry I*	5
Chem 302	Organic Chemistry II**	5
		20-25
*See Prere	auisites	

# Suggested Order of Study

# Bachelor of Arts Major Code 1905 Chemistry Major

Freshman	Year	
1st Semeste	er	
Course		Hours
Chem 101	Gen Chem I (Algebra &	Trig) 5
Math 150	Calculus I	5
CORE	[Eng 101 Comp I]	3
CORE	[Kine 103 Lifetime Wel	lness]2
Psy 120	College Orientation	1
,		16
2nd Semes	ter	

Zna Semesie	31	
Chem 102	Gen Chem II (Chem 101)	5
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
CORE	[Eng 102 Comp II]	3
CORE	[Hist 110 U.S. History]	3
Chem 320	Computer App. Chem.	2
		16

# Sophomore Year 1st Semester Chem 301 Org Chem I\* (Chem 102) OR Chem 201 Analy Chem I (Chem 102) 5 Phys 151 Elem Col Phys I (Math 140) 5

[Kine 101 Physical Activity] 1

(Sec area of concentration) 5

CORE

41-42 164-165 Electives

2nd Semest	er
Chem 302	Org Chem II* (Chem 301)
OR	
Chem 421	Analytical Chemistry II
OR	
Chem	[Upper Division Elective]
Phys 152	Elem Col Phys II (Phys 151)
CORE	[Econ 180 Amer Econ Sys]
Electives	(Sec area of concentration)

5 **17** 

3

# Chemistry / 69

Junior Year		
1st Semester Chem 201 An	aly Chem I (Chem 102)	
OR Cham	anas Division Electival	4.5
Chem [U] Foreign Langua		4-5 3
	omm 100 Oral Comm]	3
	umanities and Fine Arts]	3
Electives	16-	3 17
2nd Semester	alytical Chemistry II	
OR All	alytical Chemistry II	
		1-5
Foreign Langua		3
	sy 100 or Soc 110] o 101 General Biology]	3
	umanities and Fine Arts]	3
	17-	18
Senior Year		
1st Semester		
	umanities and Fine Arts]	3
Foreign Langua CORE [In:	ge ternational Cultural Stu]	3
Electives	iornanonar outland otaj	6
		15
2nd Semester		
Foreign Langua	ge	3
	st 120 or 320 U.S. Hist]	3
Electives	12-	6-7 12
	12-	13
	ct either Chem 300 plus 8	
of upper divisio	n chemistry (excluding 02) or Chem 301 and Che	Chem
	upper division chemistry	
tives (excluding		
(Prerequisites)		
,	commendations]	
Tan addition t	la fa was a black a section t	
For additional Dr. Melvyn Mo	information contact:	
Office: Reyno		
Phone: 417.62		

E-mail: mosher-m@mail.mssc.edu

Calculus I

[Eng 101 Comp I]

College Orientation

Programming I

Gen Chem I (Algebra & Trig) 5

5

3

3

1

17

**Bachelor of Science** Major Code 1905

**Chemistry Major** 

Freshman Year

1st Semester

Course

Chem 101

Math 150

Comp 110

Psy 120

CORE

Math 250 Phys 160 Chem 320 CORE	Calculus II (Math 150) 5 General Physics I (Math 140) 3 Computer App. in Chem 2 [Kine 101 Physical Activity] 1 16
Sophomore	
1st Semeste	
Chem 301	Org Chemistry I (Chem 102)5
CORE	[Eng 102 Comp II] 3
Phys 270	General Physics II
Elective	(Math 150 & Phys 160) 5
Elective	[Math 260 Calc III] (Math 250) 5
	18
2nd Semest	ar
Chem 302	Org Chem (Chem 301) 5
Phys 280	Gen Physics III (Phys 270) 5
Elective	[Math 322 Differential
	Equations] (Math 260) 3
CORE	[PSc 120 Gov't:US/Sta/Loc] 3
	16
Junior Year	
1st Semeste	r
Chem 401	Phys Chem I (Math 250,
	Phys 260)
OR	
Elective	[Chem 422 Adv Inorg Chem]4
	(Chem 102, Math 250)
Chem 201	Analy Chem I (Chem 102) 5
CORE	[Comm 100 Oral Comm] 3
CORE	[Kine 103 Lifetime Wellness]2
CORE	[Hist 110 U.S. History] 3
	17
2nd Semeste	ar.
Chem 402	Physical Chem II
0110111 402	(Chem 401) (4)
OR	(6.16111 16.1) (1)
Elective	[Chem 427 Organic Instru.
	Analysis] (Chem 302) (5) 4-5
Elective	[Chem 421 Analytical
	Chemistry II] (Chem 210) 5
CORE	[Humanities and Fine Arts] 3
CORE	[Bio 101 General Biology] 4
	16-17
Senior Year	
1st Semeste	
Chem 401	Phys Chem I (Math 250, Phys 280
OR	101 100 1 1 1
Elective	[Chem 422 Adv Inorganic Chem
	(Chem 102, Math 250) 4

2nd Semester

Chem 102 Gen Chem II (Chem 101)

	16	
Junior Year		
Chem 401	Phys Chem I (Math 250, Phys 260)	
OR Elective	[Chem 422 Adv Inorg Chem]4	
Chem 201 CORE	(Chem 102, Math 250) Analy Chem I (Chem 102) 5 [Comm 100 Oral Comm] 3	
CORE	[Kine 103 Lifetime Wellness]2 [Hist 110 U.S. History] 3	
2nd Semeste Chem 402	er Physical Chem II (Chem 401) (4)	
OR Elective	[Chem 427 Organic Instru.	
Elective	Analysis] (Chem 302) (5) 4-5	
Elective	[Chem 421 Analytical Chemistry II] (Chem 210) 5	
CORE	[Humanities and Fine Arts] 3 [Bio 101 General Biology] 4	
	10-17	
Senior Year 1st Semeste	r	
Chem 401 OR	Phys Chem I (Math 250, Phys 280	)
Elective	[Chem 422 Adv Inorganic Chem (Chem 102, Math 250) 4	n]
CORE CORE	[Chem 497 Res in Chem] 1 [Humanities and Fine Arts] 3 [Hist 120 or 320 U.S. Hist] 3	
CORE	[International Cultural Stu] 3	
2nd Semeste	ar	
Chem 402	Physical Chemistry II (Chem 401) (4)	
OR Elective	[Chem 472 Organic Instru. Analysis] (Chem 302) (5) 4-5	
OR	(Chem 401) (4) [Chem 472 Organic Instru.	

Elec	tive [	Chem 497 Res in Chem]	2
Elec	tive [	Phys 372 Electronic Circuits	s]
	(	Phys 280)	4
COF	RE [	Humanities and Fine Arts]	3
COF	RE [	Psy 100 or Soc 110]	3
	16-17		

(Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Melvyn Mosher

Office: Reynolds Hall 242 Phone: 417.625.9733

E-mail: mosher-m@mail.mssc.edu

# **Course Descriptions**

Chem 100 (F, S) **Introductory Chemistry**  5 hrs. cr.

Basic principles and practical applications of inorganic, organic and biochemistry which satisfies the needs of students in certain healthrelated programs. Four lectures, one 3-hr. lab per week. Prerequisite: Math 30 or satisfactory score on the Mathematics Placement Test.

Chem 101 (F, S, SS) General Chemistry I

Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter and the quantitative aspect of these changes. Four lectures, one 3-hr. lab per week. Prerequisite or corequisite: Math 140 or higher level math course.

Chem 102 (F, S, SS) 5 hrs. cr.

General Chemistry II

Continuation of Chem 101. Emphasis on the dynamics and thermodynamics of chemical processes and on the properties and reactions of analogous groups of cations and anions. Four lectures, one lab per week. Prerequisites: Chem 101 with a minimum grade of "C" or permission of instructor and Math 140 or higher level math course.

Chem 190 (Demand)

Laboratory in Chemistry

A lower division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 201 (F) 5 hrs. cr.

Analytical Chemistry I

Standard first course in quantitative chemical analysis. The lecture and lab include the theory and practice of methods of analysis. While the primary emphasis in the first semester is on the

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interpretation of the experimental results, other aspects of the analytical process are introduced. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 102.

Chem 297 (F, S)

1-3 hrs. cr.

#### Introduction to Research

in Chemistry (Writing Intensive) Introduction to research techniques; laboratory work and literature search under the supervision of an instructor on a chemical research project. Involves laboratory experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 15 hours of chemistry, 2) freshman or sophomore standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 298 (F, S)

1-3 hrs. cr.

#### Selected Topics in Chemistry

Special topics in chemistry not normally included in other courses. Prerequisite: Chem 201 or permission of instructor.

Chem 300 (F, S)

5 hrs. cr.

# Introduction to Modern

**Organic Chemistry** (Writing Intensive) Principles of organic chemistry—nomenclature, structure, properties, stereochemistry, reactions-will be studied by the functional group approach. Designed for students who require a general knowledge of organic chemistry in their chosen career or as background for other courses in technical or professional training programs. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 102.

Chem 301 (F)

5 hrs. cr.

#### Organic Chemistry I

Primary emphasis is on the properties, nomenclature, and reactions of aliphatic compounds. The functional group approach is used. A brief introduction to organic reaction mechanisms and spectroscopy is included. Four lectures, one 3-hr lab per week. Prerequisite: Chem 102

Chem 302 (S)

5 hrs. cr.

Organic Chemistry II (Writing Intensive) A continuation of Chem 301. The functional group approach is continued with the study of aromatic and aliphatic compounds. Emphasis is placed on the properties, nomenclature, reactions, and reaction mechanisms of these compounds. Organic spectroscopy is discussed in detail as related to the identification of functional groups and molecular structures. Four lectures, one 3hr lab per week. Prerequisite: Chem 301 with a grade of "C" or better.

Chem 320 (S)

2 hrs. cr.

#### Computer Applications in Chemistry

An introduction to computer applications and software commonly used for scientific study (and in upper-division courses). Students will become proficient in using the operating system, the localarea network, and spreadsheets and graphing applications, and will be introduced to computer data acquisition and interfacing, internet information sources, and presentation software. This course satisfies the computer literacy requirement for chemistry, biochemistry, biology, and environmental health majors. One lecture, one 3hr lab per week. Prerequisite: Math 130 (or higher) and Chem 101.

Chem 351 (F)

5 hrs. cr.

(Writing Intensive) **Biochemistry** Fundamental concepts of the chemistry of lipids, carbohydrates and proteins with emphasis on the physiological aspects of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics, and chemical mechanisms reaction pathways. Four lectures and one 3-hr. lab per week. Prerequisite: Chem 300 or 302.

Chem 390 (Demand)

1-2 hrs. cr.

Laboratory in Chemistry

A upper division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 400 (F)

4 hrs. cr.

**Elementary Physical Chemistry** 

A one semester course, designed particularly for biochemical, biological, and pre-professional students, which surveys the fundamentals of physical chemistry. Principles of thermodynamics and chemical kinetics, and their application to aqueous solutions, will be emphasized. Solution equilibria, spectroscopy, and transport processes will also be examined. Three lectures, one 3 hr. lab per week. Note: This course does not meet the requirements for the B.S. in Chemistry. Prerequisite: Chem 102 with a C or better.

Chem 401 (F, Odd)

4 hrs. cr.

Physical Chemistry I

For the first section of the class, a microscopic approach to the understanding of chemical and physical properties of chemical systems is taken. The focus is on quantum theory and molecular spectroscopy. In the last part of the class, a macroscopic approach to the understanding of chemical and physical properties of chemical systems is used. Topics include the laws of thermodynamics and the relationships between the properties of chemical systems at equilibrium. Three lectures, one 3-hr. lab per week. Prerequisites: Math 250 and Phys 280.

Chem 402 (S, Odd)

4 hrs. cr.

Physical Chemistry II

Continuation of Chem 401. A microscopic approach (quantum theory) and the macroscopic approach (thermodynamics) to understanding chemical systems are linked using statistical mechanics. Chemical kinetics is also studied. Three lectures, one 3-hr. lab per week. Prerequisite: Chem 401.

Chem 421 (S, Odd)

5 hrs. cr.

**Analytical Chemistry II** 

Continuation of Chemistry 201. A study of the overall analytical process. Lecture and lab deal mainly with electrochemical and spectrophotometric methods of analysis and their application in chemical analysis, but also include other physiochemical and separatory techniques used in modern analytical processes. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 201.

Chem 422 (S, Even)

**Advanced Inorganic Chemistry** 

Contemporary state of the several bond models in chemistry, a review of the energetics of reactions and coordination theory, followed by the chemistry of the families of the elements in the periodic table. Three lectures, one 3-hr. lab per week. Prerequisites: Chem 102 and Math 250.

Chem 427 (S, Odd)

5 hrs. cr.

**Organic Instrumental** 

**Analysis** 

(Writing Intensive) Designed to familiarize the student with current instrumentation. The approach is through (1) lectures devoted to a particular type of instrumentation and (2) laboratories designed to give handson experience in the working of the instrument. Two 1-hour lectures and two 3-hour labs per week. Prerequisite: 15 hours of chemistry with a grade of "C" or better.

Chem 472 (S, Odd)

4 hrs. cr.

**Organic Qualitative Analysis** 

Systematic identification of organic compounds and mixtures; organic spectroscopy is emphasized. Two lectures, two 3-hr. labs per week. Prerequisite: Chem 302.

Chem 496 (F, S)

2 hrs. cr.

Problems in Chemistry (Writing Intensive) A practical research class especially designed for students seeking a bachelor of science in education with a major in chemistry. The class involves laboratory work and a literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as written report on a project from any area of chemistry. Open to students needing a problems course in chemistry to satisfy Missouri Certification Standards for Secondary Teachers in Chemistry. Students must have a minimum of 20 hours of chemistry and permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 497 (F, S)

1-3 hrs. cr.

Research in Chemistry (Writing Intensive) Independent research techniques; lab work and literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 20 hours of chemistry, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

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Chem 498 (F, S) Seminar

1-3 hrs. cr.

For upper division chemistry majors. Content varies, depending on the student's needs, from library research to special topics in chemistry. Prerequisite: Senior standing or permission of department head.

Chem 499 (F, S)

1-3 hrs. cr.

Independent Study

Independent investigation techniques; includes a paper on a selected topic with both a critical survey of the chemical literature and results from advanced lab experimentation. Open to students having (1) minimum of 25 hrs. of chemistry, (2) ability to undertake independent work and (3) permission of instructor. Enrollment must be approved by adviser, department head and school dean.

**Communications** 

Webster Hall 352, 417.625.9580

Faculty Moorman - Head, Bryant, Burch, Clark, Cramer, Guzman, Hale, Hou, Karmanova, Kilby, Larson, Mere, Merriam, Nakai, Sartori, Stebbins, Suro, Talavera, Weber, Yocum

A major in communications offers an array of career opportunities in such fields as public communication, television, radio and journalism. In the education process, emphasis is placed on speaking and writing skills as well as gaining technical knowledge related to mass media production and publication. A major in communications is one of the most diversified areas of study available to students who wish to excel in business, industry, government or education at the local, state, national and international levels. Missouri Southern graduates in communications have found successful careers in the media, in government, in education and in a variety of public relations positions for hospitals, state and national associations, in retailing and in industry.

Students pursuing a bachelor of arts degree in communications have four options. Option I, speech communication, examines the role of human communication in social, organizational, political and cultural interactions. This option places a balanced focus on the theory and practice of communicating. Special emphasis includes identifying the antecedents of communication, its form and content and its consequences. Option II, mass communications, offers students the necessary abilities in planning, preparing and producing programs in electronic media and/or designing and writing for journalism. This option emphasizes the technical skills, creativity and demand for understanding target audiences in mass media. Students gain hands-on experience in television, radio and print laboratories. Option III, international communication, permits a student to develop a field of specialty in global aspects of the communication process. Option IV, public relations, allows a student to develop a specialty the aspects of promoting and showcasing organizations. Also available is a bachelor of science degree in education with a teaching emphasis in speech communication and theatre.

The communications department oversees the student operations of Missouri Southern Television with its cable service and broadcast station KGCS. The department also manages KXMS, a 24-hour-a-day classical radio station professionally operated with students and community volunteers. Perhaps the most widely recognized contribution of the communications department is The Chart, a student operated college newspaper published once a week. The Chart has been honored by the Society of Professional Journalists as the best nondaily college newspaper in the nation. Additionally, the department publishes Crossroads: the Magazine.

Students also have opportunities to participate in other communications-sponsored activities. The debate and forensics program offers students the chance to develop their critical thinking skills and to participate in events such as informative, persuasive and extemporaneous speaking competitions. Debate and forensics students may join the forensic honor society of Pi Kappa Delta. Communications majors interested in mass media may join Southern's chapter of the national broadcast fraternity of Alpha Epsilon Rho and participate in its state, regional and national conventions. The department also sponsors the Modern Communications Club which plans on-campus events and off-campus field trips for students interested in communications activities. The club expands the scope of communications to include foreign language speakers.

Internships are encouraged for communications majors. These internships allow students to gain work experience in occupational positions they may wish to pursue. Students work under the joint supervision of a faculty member and a representative of the organization providing the intern experience.

The communications curriculum acknowledges the diversity and inter-connectedness among peoples, promotes an understanding of human values and prepares its students for leadership in a competitive world.

Core Curriculum requirements for all students of the College include Comm 100, Oral Communication.

# Bachelor of Arts with a **Major in Communications**

**Option I: Speech Communication** 

Semester	Hours
Core Requirements (p. 33)	51
<b>Computer Literacy Requirement:</b>	
Comp 105 Intro to Micro Use	3
Foreign Language (four courses i	n
one language)	12
<b>Communications Requirements</b>	47
Comm 101 Introduction to Human	
Communication	3
Comm 131 Voice and Diction	3
Comm 215 Interpersonal	
Communication*	3
Comm 300 Organizational	
Communication*	3
Comm 303 Advanced Public	
Speaking*	3
Comm 304 Small Group	
Communication*	3
Comm 420 Mass Communications	
Theory*	3
Comm 492 Communication Issues*	3
Communication Electives	23
Electives	11
	124**

\*See Prerequisites

\*\*Must include at least 40 upper-division (300-400 level) hours.

## Bachelor of Arts with a **Major in Communications Option II: Mass Communications**

Semester Hours	
Core Requirements (p. 33)	51
Computer Literacy Requirement:	
Comp 105 Intro to Micro Use	3
Foreign Language (four courses in	
one language)	12

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	4=	1.10.004	O Delinie I	
Communications Requirements	47	IntS 304	Comparative Political	3
Comm 101 Intro to Human	0	IntC 205	Economy*	3
Communication	3	IntS 305	International	3
Comm 111 Newswriting	3	Flactives	Techno-Trends*/**	3
Comm 215 Interpersonal	0	Electives	in communications/	
Communication*	3		approved international	
Comm 220 Practicum in	0	Flankings	courses	8
Communications*	2	Electives		14
(Student must select two different acti	_ ′			124***
Comm 310 Communication Law	3	*O D		
Comm 325 Broadcast News	0	*See Prere		ant.
Reporting*	3		mputer literacy requirement	
Comm 330 Advanced Communicati			clude at least 40 upper-d	ivision
Practicum*	1	(300-400 16	evel) hours.	
Comm 420 Mass Communications	0			
Theory*	3	Danhala	n of Auto with a	
Comm 492 Communication Issues* Communication Electives			r of Arts with a	
Electives	23		Communications	
Electives	11 124**	Option IV:	Public Relations	
*Coo Proroguicitos	124			
*See Prerequisites **Must include at least 40 upper d	ivioion		Semester	Hours
(300-400 level) hours. Course num	borod	Core requ		51
300 and above in history, political so			literacy requirement	3
sociology, business and psychology		Foreign La	anguage (four courses	
recommended.	gy are		in one language)	12
recommended.		Communi	cations Requirements	47
Dealest of Automith o		Comm 101	Intro to Human	
Bachelor of Arts with a			Communication	3
Major in Communications		Comm 111	Newswriting	3
Option III: International Communi	cation	Comm 215	Interpersonal	
			Communication	3
Semester	Hours	Comm 200	Audio Production for Me	edia
Core Requirements (p. 33)	51	OR		
Foreign Language (four courses		Comm 201	Video Production	
in one language)	12	OR		
Communications Requirements	21	Comm 431	Electronic Field Product	ion*
Comm 101 Intro to Human			(431 is 2 hr. course)	3
Communication	3	Comm 311	Intro to Public Relations	3
Comm 215 Interpersonal		Comm 310	Communication Law	3
Communication*	3	Comm 325	Broadcast News Report	ing
Comm 305 Intercultural		OR		
Communication*	3	Comm 333	B Copy Editing	3
Comm 405 Advanced Intercultural		Comm 340	Research in	
Communication*	3		Communications	3
Comm 420 Mass Communications		Comm 355	Case Studies in	
Theory*	3		Public Relations	3
Comm 492 Communication Issues*	3	Comm 455	Public Relations Writing	3
Comm 475 Global Broadcasting*		Comm 470	New Media Technology	3
OR		Comm 492	2 Communications	
Comm 493 International			Issues	3

3

3

3

3

Total

Communication

Introduction to

Issues\*

Civilizations\*

IntS 201

IntS 301

IntS 302

IntS 303

International Studies Requirements 18

International Studies

World Environmental

Contemporary World

World Humanities\*

\* With permission of instructor

**Communications Electives** 

\*\* Must include at least 40 upper division (300-400 level) hours. Courses numbered 300 and above in Communications are recommended, as well as the following: Comm 345, Internship in Communications (strongly

(12 if Comm 431 is elected as choice, above)

124\*\*

recommended); Comm 300, Organizational Communication; Comm 303, Advanced Public Speaking; Comm 335, Feature Writing.

Bachelor of Science in
Education with a Major in Speech
Communication
and Theatre
Grades 9-12 Certification
Plan B Single Teaching Field

Semester Hours Core Requirements (p. 33) 51\* **Computer Literacy Requirement:** Educ 301 Use of Computer Software 3 in the Classroom **Communications Requirements** 20 Comm 101 Intro to Human 3 Communication Comm 215 Interpersonal Communication\*\* 3 Comm 304 Small Group 3 Communication\*\* Comm 315 Argumentation 3 and Debate\*\* Electives in Communications\*\*\* 8 20 **Theatre Requirements** Th 121, 122, 221, or 222 Theatre Laboratory 2 Th 142 Theatre Technology 3 Th 212 Oral Interpretation 3 Th 234 Intro Theatrical Design Th 241 Acting I (WI) Th 331 History of Theatre (WI) OR Th 332 History of Theatre (WI) 3 Th 351 Directing\*\* 3 **Electives Education Certification Requirements** (p. 167) 40-41\*\*\*\* 39-42 133-136

\*Required course in psychology counts 3 hours toward Core Curriculum requirements, Area 3C.

\*\*See Prerequisites

\*\*\*Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre.

\*\*\*\*Two credit hours are satisfied by Educ 301.

# **Communications / 73**

							_
Minor in Mass Communication	tions	Sophomore			2nd Semest		
		1st Semeste			Foreign Lan		3
Semester	Hours	Foreign Lan		3	CORE	[Eng 102 Comp II]	3
		CORE	[Kine 101 Physical Activity]	1	CORE	[Kine 103 Lifetime Wellne	
Comm 111 Newswriting	3	CORE	[Humanities and Fine Arts]	3	CORE	[Econ 180 Amer Econ Sys	
Comm 310 Communication Law	3	Comm 215	Interpersonal Comm	3	Comm 130	Intro to Broadcasting	3
Comm 325 Broadcast News		Comm	Elective	3	Comm 131	Voice and Diction	3 17
Reporting	3	Elective		3 <b>16</b>			17
Communications electives*	9			10	Sophomore	Voar	
	18	2nd Semest	or		1st Semeste		
		Foreign Lan		3	Foreign Lan		3
*Electives must be above the 100 le	vel and	CORE	[Humanities and Fine Arts]	3	CORE	[Kine 101 Physical Activity	
must be chosen in consultation with	an ad-	CORE	[PSc 120 Gov't:U.S./Sta/Lo		CORE	[Humanities and Fine Arts	, ,
viser from the communications depa	rtment.	Comm	Elective	3	Comm 215	Interpersonal Comm	3
A student may emphasize either th	ne print	Electives		3	Comm 200	Radio Production	
or broadcast media.				15	OR		
					Comm 201	TV Production	3
		Junior Year			Comm 220	Practicum In Comm	1
Minor in Speech Communic	ation	1st Semeste					14
willor in Speech Communic	ation	Comp 105	Intro to Micro Use	3			
		CORE	[Humanities and Fine Arts]	3	2nd Semest		
Semester		CORE	[Biology]	4	Foreign Lan		3
Comm 101 Intro to Human Comm	3	Comm 300	Organizational Comm	3	CORE	[Humanities and Fine Arts	3
Comm 215 Interpersonal Comm	3	Comm 304	Small Group Comm	3	Comm 200	Radio Production	
Comm 303 Advanced Public Speaki	ng 3			16	OR	TV Draduction	2
Speech Comm Electives numbered					Comm 201 Comm 220	TV Production Practicum in Comm	3
300 and above	9	2nd Semest			CORE	[Math 125 Cont Math]	3
	18	CORE	[Phys 100 Fund of Phys So		Electives	[Math 125 Cont Math]	3
		CORE	[Psy 100 or Soc 110]	3	Liectives		16
Electives must be chose in consultati	on with	CORE Comm 303	[Hist 110 U.S. History] Adv Public Speaking	3			
advisers from the Speech Commun		Comm	Elective (upper division)	3	Junior Year		
·	lication	Comm	Liective (apper division)	17	1st Semeste		
faculty.					Comp 105	Intro to Micro Use	3
		Senior Year	,		CORE	[Humanities and Fine Arts	s] 3
		1st Semeste			CORE	[Biology]	4
		CORE	[Hist 320 U.S. History]	3	Comm 320	Advanced TV Production	3
		Comm	Electives (upper division)	9	Comm 325	Broadcast News Reporti	
		Elective	(upper division)	3			16
Suggested Order of Study				15			
					2nd Semest		Soil 5
Bachelor of Arts		2nd Semest			CORE	[Phys 100 Fund of Phys S [Psy 100 or Soc 110]	3
Major Code 0600			Mass Comm Theory	3	Comm 301	Media Management	3
Communications Major		CORE	[Comm 305 Intercul Comm		Comm 310	Comm Law	3
Speech Comm Option		Comm	Electives (upper division)	6 3	Comm	Elective	3
Speech Comm Option		Comm 492	Comm Issues	15	Commi	Licotive	17
Freehman Voor		Electives sh	ould be selected in consultati				
Freshman Year 1st Semester			to meet desired career goals		Senior Year	r	
Course	Hours	the adviser	to file of desired eareer goals		1st Semeste	er	
Foreign Language	3	Departmen	t Recommendations]		CORE	[Hist 110 U.S. History]	3
CORE [Eng 101 Comp I]	3	[Bopartinon	( Tioodiminoridations)		CORE	[PSc 120 Gov't: U.S./Sta/	Loc]3
CORE [Comm 100 Oral Comm]	3				Comm 330	Adv Comm Practicum	1
CORE [Math 125 Cont Math]	3	Bachelor	of Arts		CORE	[Comm 305 Intercul Com	-
Psy 120 College Orientation	1	Major Cod			Comm	Elective (upper division)	3
Comm 101 Intro to Human Comm	3				Elective	(upper division)	3
	16		cations Major				16
			nmunications Option				
2nd Semester		Broadcas	t Emphasis		2nd Semest		0
Foreign Language	3				CORE	[Hist 320 U.S. History]	3
CORE [Eng 102 Comp II]	3	Freshman			Comm 420	Mass Comm Theory	3
CORE [Kine 103 Lifetime Wellne		1st Semeste			Comm 492	Comm Issues	3
CORE [Econ 180 Amer Econ Sys		Foreign Lar		3	Electives	(upper division)	12
Comm 131 Voice and Diction	3	CORE	[Eng 101 Comp I]	3			12
	14	CORE	[Comm 100 Oral Comm] Intro to Human Comm	3			
		Comm 111	Newswriting	3			

Comm 111

Psy 120

Newswriting College Orientation 3

16

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Electives should be chosen in consultation with the adviser to meet desired career goals. Courses in history, business, political science, sociology, psychology, art and theatre all may be appropriate.

[Department Recommendations]

## **Bachelor of Arts**

Major Code 0601

**Communications Major Mass Communications Option Newspaper Emphasis** 

## Freshman Year

1st Semeste	r	
Foreign Lang	guage	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
Comm 101	Intro to Human Comm	3
Comm 111	Newswriting	3
Psy 120	College Orientation	1
		16
2nd Semeste	er	
Foreign Lang	guage	3
CORE	[Eng 102 Comp II]	3
CORE	[Math 125 Cont Math]	3
CORE	[Kine 101 Physical Activity]	1
Comm 220	Practicum in Comm	1
Elective		3
		1/

## Sophomore Year

1st Semester		
Foreign Lang	juage	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Econ 180 Amer Econ Sys]	3
Comm 215	Interpersonal Comm	5
Comm 220	Practicum in Comm	1
Comm	Elective [Comm 332	
	Feature Writing]	3
	4	5

## 2nd Semester

Foreign La	nguage	3
CORE	[Humanities and Fine Arts]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Elective	[Comm 333 Copy Editing]	3
		15

## Junior Year 1st Semester

CORE

CORE

Comm

Comm 310

Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Biology]	4
Comm 325	<b>Broadcast News Reporting</b>	3
Comm 330	Adv Comm Practicum	1
		14
2nd Semeste	er	
CORE	[Humanities and Fine Arts]	3

[Phys 100 Fund of Phys Sci] 5

[Hist 110 U.S. History]

Elective (upper division)

Comm Law

Summer		
[Comm 345]	[Internship]	

## Senior Year

1st Semeste	er	
CORE	[Hist 320 U.S. History]	3
Comm	Electives [upper division]	6
Electives	[upper division]	4
		13

## and Competer

Zilu Sei	Hes	ter	
Comm 4	420	Mass Comm Theory	3
CORE		[Comm 305 Intercul Comm]	3
Comm 4	492	Comm Issues	3
Elective	S	(upper division)	3
			12

Electives in communications should be chosen in consultation with the adviser to meet desired career goals. Other electives should be chosen in an area of minor concentration or in a supportive role to career goals. Courses in history, business, political science, sociology and psychology are strongly recommended.

[Department Recommendations]

## **Bachelor of Arts**

Major Code 0602

**Communications Major** International Communication Option

## Freshman Year 1st Semester

CORE	[Eng 101 Comp 1]	3
CORE	[Math 125 Cont Math]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Foreign Lang	luage	3
Comm 101	Intro to Human Comm	3
Psy 120	College Orientation	1
	1	7
2nd Semeste	r	
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Art/Mus/Th 110 Apprec.]	3
CORE	[Kine 160 Lifetime Wellness]	2
Foreign Lang	uage	3
Elective	[Hist 140 World Civil]	3

Sopnomore	year	
1st Semeste	r	
CORE	[Hist 110 U.S. History]	3
CORE	Phys 100 Fund of Phys Sci]	5
Foreign Lang	guage	3
IntS 201	Intro to Int'l Studies	3
Comm 215	Interpersonal Comm	3
		17
and Compate		

3

3

3 17

2nd Semeste	er	
CORE	[Bio 101 General Biology]	4
Foreign Lang	juage	3
IntS 304	Comp Political Economy	3
CORE	[Eng 261 Mstrpcs of Wld Lit]	3
CORE	[Econ 201 Prin of Econ]	3

## **Junior Year**

8

8

1st Semeste	r	
CORE	[Hist 120/320 U.S. History]	3
Foreign Lang	guage	3
IntS 301	World Humanities	3
CORE	[Eng 262 Mstrpcs of Wld Lit]	3
Comm 305	Intercultural Comm	3
IntS 303	Contemporary World Civ	3
		18

#### 2nd Semester

Zilu Seilleste	1	
CORE	[Psy 100/Soc 110]	3
Foreign Lang	uage	3
IntS 302	World Environmental Issues	3
	Global Broadcasting	
OR		
Comm 493	International Comm	3
Electives		3
	1	15

#### Senior Year

1st Semester	r	
IntS 305	International Techno-Trends	3
Comm 405	Adv Intercultural Comm	3
Comm 420	Mass Comm Theory	3
Comm 492	Communication Issues	3
		12

## and Competer

Znu Semes	ter	
IntS 400	Sr Thesis in Int'l Studies	3
Electives		9
		12

[Department Recommendations]

## **Bachelor of Arts**

Major Code 0603

**Communications Major Public Relations Option** 

#### Freshman Year

1 1 Commun	1 Cui	
1st Semeste	er	
Foreign Lang	guage	3
CORE	[Eng 101 Comp 1]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Comm 101	Intro to Human Comm	3
Comm 111	Newswriting	3
Psy 120	College Orientation	3
		16

## 2nd Semester

Foreign Lang	guage	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3
CORE	[Kine 160 Lifetime Wellness]	2
CORE	[Math 125 Cont Math]	3
Comm 215	Interpersonal Communication	3
		-

#### Sophomore Year

1st Semester	r		
Foreign Language			
CORE	[Art/Mus/Th 110 Apprec.]	3	
CORE	[Econ 180 Amer Econ Sys]	3	

# Communications / 75

							GU
0	Comm 200	Audio Production		Bachelor	of Science in Education		Senior Ye
	00111111200	for Media (3)		Major Code			1st Semes
	OR	(-)			heatre Major		Apply for s
	Comm 201	Video Production (3)			12 Certification		be comple
	OR						courses.
	Comm 431	Electronic Field Prod. (2)	2-3	(Plan B) S	ingle Teaching Field		Th 351
	Conm 310	Communication Law	3				CORE
	Comm 311	Intro to Public Relations	3	Freshman \			Educ 412
		17-	-18	1st Semeste	Intro to Human Comm	0	Electives
				CORE 101		3	
	2nd Semest			CORE	[Comm 100 Oral Comm] [Eng 101 Comp I]	3	
	Foreign Lang		3	CORE	[Math 125 Cont Math]	3	2nd Seme
	CORE	[Bio 101 General Biology]	4	CORE	[Biology]	4	Educ 402
	Comm 340		3	Psy 120	College Orientation	1	Educ 432
	Comm 470	0,	3	Educ 100	Intro to Tchr Educ I	1	Educ 344
	Comm 492	Communiaction Issues	3 <b>16</b>	Eddo 700	mile to rom Edde r	18	Educ 462
-			10				Educ 402
	Junior Year			2nd Semest			
	1st Semeste	r		Psy 100	General Psychology	3	[Departme
	Comp 105	Intro to Micro Use	3	Th 122	Theatre Lab	2	*Must be to
	CORE	[Humanities and Fine Arts]	3	Th 142	Theatre Technology	3	mester.
	CORE	[Phys 100 Fund of Phys Sci	] 4	CORE	[Eng 102 Comp II]	3	
	Comm 220	Practicum in Comm	1	CORE	[Humanities and Fine Arts]	3	For additi
_	Comm 455	Public Relations Writing	3	CORE	[Hist 110 U.S. History]	3	Dr. J. R. N
	Comm	Elective [Upper Division]				17	Office: We
		[Comm 335 Feature Writing	] 3	0	Van		Phone: 4
			17	Sophomore 1st Semeste			E-mail: m
-				Take C-Base			
	2nd Semest		0	Comm	Elective	3	
	CORE	[Hist 110 U.S. History]	3	Comm 215	Interpersonal Comm	3	
	CORE	[Humanites and Fine Arts]	3	Psy 301	Adolescent Psychology	3	
	CORE	Behavioral Science [Psy 100 Gen. Psy.]	3	Th 241	Acting I	3	
	Comm 355	Case Studies in P. R	3	CORE	[Humanities and Fine Arts]	3	
	Comm 220	Practicum in Comm	1	CORE	Kine 103 Lifetime Wellness	12	Cou
	Comm 325	Broadcast News Reporting		Educ 200	Intro to Tchr Educ II	1	Cou
	OR	Broadcast News Nepotting				18	
	Comm 333	Copyediting	3				
			16	2nd Semest			Comm 041
					Imission to teacher education.	_	Intermed
	Senior Year			Psy 310	Educational Psychology The Exceptional Child	2	This cours
	1st Semeste			Educ 302 Th 212	Oral Interpretation	3	in becomir
-	CORE	[Hist 120 U.S. History]	3	Th 234	Intro to Theatrical Design	3	and using h
	CORE	[International Cultural Studi	es	CORE	[Humanities and Fine Arts]	3	in the cont
		[Comm 305 International		CORE	[Kine 101 Physical Activity]	1	ceive instr
	0	Cultural Studies]	3	Educ 301	Use of Computer Software	3	skills using uisite: No
	Comm	Elective [Comm 303 Adv Public Speaking]	3		in the Classroom		uisite. Noi
	Comm	Elective [Comm 420 Mass				17	Comm 042
		Comm Theory]	3				Intermed
	Comm	Elective [Upper Division]	3	Junior Year			This cours
			15	1st Semeste			in imporvin
					competencies. Ped Theo, Meth & Prac	Λ	ciation ski
	2nd Semest			Educ 329	Microteaching Secondary	4	education
	Electives	[Upper Division]	4	Educ 321 Comm 304	Small Group Comm	3	Students v
		[Comm 345 Internship]	8	Comm 315	Argumentation and Debate	3	intermedia
			12	Th 331	History of the Theatre	3	correct pro
				Educ 423	Classroom Management	2	glish, conv
				Eddc 420	Olassiooni Wanagement	17	ally approp
				0-10			
				2nd Semest CORE	er [Comm 305 Intercul Comm]	3	Comm 043
				CORE	[Phys 100 Fund of Phys Sci		Intermed
				CORE	[PSc 120 Gov't:U.S./Sta/Lo	-	This cours
_				CORE	[Econ 180 Amer Econ Sys]	3	in imporvir
				Educ 422	Content Area Literacy:		strengther
				Luuc 422	Secondary	2	velop lear
						16	a higher e

## ear

ester

student teaching. All course work must leted except for Professional Semester

Th 351	Directing I	3
CORE	[Hist 320 U.S. History]	3
Educ 412 or	Educ 420* or Psy 412	2-3
Electives		6
		14-15

Zila Gerriesi	101	
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issues in Education	2
Educ 344	Teaching Speech & Theatre	9
	in Sec. Schools	2
Educ 462	Student Teaching	8
		14

ent Recommendations]

taken prior to the student teaching se-

itional information contact:

Moorman

Vebster Hall 362 417.625.3105

moorman-j@mail.mssc.edu

# urse Descriptions

41 (F,S) 3 hrs. cr.

## diate Grammar

rse is designed to assist ESL students ning more proficient in comprehending high-frequency grammatical structures ntext of a paragraph. Students will retruction and practice in sentence level ng Standard American English. Prereqone.

#### 42 (F,S) 3 hrs. cr. diate Listening and Speaking

rse is designed to assist ESL students ing their listening, speaking and pronunkills necessary for pursuing a higher n in an American college or university. will receive instruction and practice in iate level communicative skills involving ronunciation of Standard American Enoversations on a wide variety of culturpriate topics, and listening comprehenerequisite: None.

43 (F,S) 3 hrs. cr.

## ediate Reading and Culture

rse is designed to assist ESL students ring their reading proficiency in order to en their college academic skills and dearning strategies necessary for pusuing a higher education in an American college or

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university. Students will receive instruction and practice in basic and intermediate level reading skills. Through recreational reading, students will be introduced to and gain knowledge of American culture. Prerequisite: None.

Comm 044 (F,S)

3 hrs. cr.

## **Intermediate Composition**

This course is designed to assist ESL students in becoming more proficient in intermediate composition skills in order to further prepare the students for college level courses. The course will offer students practice and instruction in paragraph writing using Standard American English. Moreover, the course will help the students read analytically for main and supporting ideas and to expand their vocabularies through the study of word forms and meanings. Prerequisite: None.

Comm 061 (F,S)

3 hrs. cr.

## **Advanced Grammar**

This course is designed to assist ESL students in becoming more proficient in comprehending and using high-frequency grammatical structures in the context of a paragraph. Students will receive instruction and practice in sentence level skills using Standard American English. Prerequisite: None.

Comm 062 (F,S)

3 hrs. cr.

## Advanced Listening and Speaking

This course is designed to assist ESL students in imporving their listening, speaking and pronunciation skills necessary for pursuing a higher education in an American college or university. Students will receive instruction and practice in advanced level communicative skills involving correct pronunciation of Standard American English, conversations on a wide variety of culturally appropriate topics, and listening comprehension. Prerequisite: None

Comm 063 (F,S)

3 hrs. cr.

## Advanced Reading and Culture

This course is designed to assist ESL students in imporving their reading proficiency in order to strengthen their college academic skills and develop learning strategies necessary for pusuing a higher education in an American college or university. Students will receive instruction and practice in high intermediate and advanced level reading skills. Through recreational reading, students will be introduced to and gain knowledge of American culture. Prerequisite: None.

Comm 064 (F,S)

3 hrs. cr.

Advanced Composition

This course is designed to assist ESL students in becoming more proficient in advanced composition skills in order to further prepare the students for college level courses. The course will offer students practice and instruction in paragraph and essay writing using Standard American English. Moreover, the course will help the students read analytically for main and supporting ideas and to expand their vocabularies through the study of word forms and meanings. Prerequisite: None.

Comm 100 (F, S)

Oral Communication

3 hrs. cr.

Principles of oral communication, including speaking and listening competencies and skills. Primary emphasis is on presenting various types of speeches and improving listening ability. Research, organization, reasoning, language and evaluation skill development are included. Three contact hrs. per week. (Required of all degree candidates.)

Comm 101 (F, S)

3 hrs. cr.

Introduction to Human Communication

An introductory survey of the field of communication, exploring theoretical and research foundations. Included are discussions of language and verbal interaction and nonverbal communication. Contexts of communication are covered: interpersonal, group and organizational, public, intercultural and mass. Also covered will be career opportunities for students who choose a major or minor in communication.

Comm 111 (F, S)

3 hrs. cr.

Newswriting

Development of techniques in reporting and writing for a newspaper. Work on the College newspaper, *The Chart*, is required. Prerequisite: English 80, or completion or concurrent enrollment in English 101 or above, or permission of instructor.

Comm 121 (F, S)

(Per Sem.) 1 hr. cr.

**Forensics Workshop** 

A practicum in forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit.

Comm 130 (S)

3 hrs. cr.

Introduction to Broadcasting

The role of the mass media industries, their interactions with one another and their impact on society. An introduction to the varied aspects and functions of the mass media professions.

Comm 131 (F, S)

3 hrs. cr.

## **Voice and Diction**

Techniques for improving the speaking voice. Attention to voice production, phonetics, pronunciation and vocal expressiveness.

Comm 200 (S)

3 hrs. cr.

Audio Production for Media

Principles and techniques of sound pickup and audio control. Basic techniques of microphone use, control board operation and recording. Projects are taped for analysis and critique. Two hours of lecture, two hours of laboratory per week. Prerequisite: Comm 131.

Comm 201 (F)

3 hrs. cr.

#### Video Production

Intensive practice in preparation and production of television programs. Camera techniques, floor setups and direction of crews and talent. Interviewing techniques. Development of varied on-theair skills. Two hrs. lectures, 2 hrs. lab per week.

Comm 205 (S, Even)

3 hrs. cr.

Listening

A study of the role listening plays in our daily lives. Emphasis on the listening process, types of listening skills, response strategies and what our listening behaviors communicate to others. Intensive practice for those who recognize the importance of genuine listening and wish to acquire proficient listening abilities.

Comm 215 (F, S)

3 hrs. cr.

Interpersonal

Communication

(Writing Intensive)

Person-to-person communication with emphasis on dyadic and group communication. Lecture, reading and discussion with class experiments designed to illustrate interpersonal communication problems. Prerequisite: Comm 100.

Comm 220 (F, S)

(Per Sem.) 1 hr. cr.

**Practicum in Communications** 

Laboratory experience on the staff of the College newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of 5 hrs. per week is required. One hr. of credit each term for a maximum of three terms. Prerequisite: for *The Chart* or *Crossroads*, Comm 111; for KXMS, Comm 200; for TV, Comm 201.

Comm 245 (F, S)

(Per Sem.) 2 hr. cr.

**Media Career Exploration** 

Laboratory experience on the staff of the College newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of 5 hrs. per week is required. One hr. of credit each term for a maximum of three terms. Prerequisite: for *The Chart* or *Crossroads*, Comm 111; for KXMS, Comm 200; for TV, Comm 201.

Comm 298 (Demand)

1-8 hrs. cr.

**Selected Topics in Communications** 

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in syllabus.

Comm 300 (F)

3 hrs. cr.

**Organizational Communication** 

The interface between communication theory and organizational structure. Emphasis upon communication problems in organizations, strategies for overcoming such problems and the design of effective communication systems in organizational settings. Prerequisite: Comm 101 and 215.

Comm 301 (S, Even)

3 hrs. cr

Media Management

Concepts for managing media organizations, including leadership, motivating employees, community involvement, legal aspects, ethics, audience targeting, policy determination, media organizational patterns, marketing, ownership influences, planning and decision making.

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Comm 302 (Demand)

3 hrs. cr.

## **Photocommunications**

Theory and practice of communication through the medium of photography. Students work on the photography staffs of college publications and deal with the application of photography to the mass media. Prerequisite: Comm 111 and a knowledge of photographic techniques, including developing and printing.

Comm 303 (S)

3 hrs. cr.

3 hrs. cr.

## **Advanced Public Speaking**

Performance-based experiences to promote proficiency in the presentation and criticism of oratory. Emphasis on refining the art of informative and argumentative speechmaking. Prerequisite: Comm 100.

Comm 304 (F)

## **Small Group**

Communication (Writing Intensive) Small group context of interpersonal communication emphasizing group behavior and human relations. Specific units include group problem solving, decision making and leadership style. Prerequisite: Comm 100.

Comm 305 (F, S)

3 hrs. cr.

## Intercultural

Communication (Writing Intensive) Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: Comm 100. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)

Comm 306 (S)

3 hrs. cr.

## Persuasion

A theoretical examination of the principles of influencing individuals and groups, a history of rhetoric and modern application of these principles to various areas of social interaction. Prerequisite: Comm 100.

Comm 307 (F)

3 hrs. cr.

## **Professional Interviewing**

Designed to prepare students for professional fields which require information-seeking and gathering, decision-making, interaction skills and self-expression. The students will participate in a variety of simulated and actual interviewing situations as both an interviewer and interviewed. Prerequisite: Comm 100.

Comm 308 (S. Odd)

3 hrs. cr.

## **Gender Communication**

The pragmatics of gender-related communication refers to the study of the embedded contexts of male-female symbolic interaction. This introduction to the field of gender communication will look at interpersonal, organizational and cultural contexts. Prerequisite: Comm 100.

Comm 309 (Demand)

## World Cinema

Covers the most important facets of cultural literacy in cinematography, one of the essential aspects of modern culture in our century. Includes a very strong writing component.

Comm 310 (S)

3 hrs. cr.

3 hrs. cr.

#### Communication Law

Statutes, administrative regulations and court decisions affecting freedom of information, censorship, libel, privacy, contempt of court, obscenity, legal access, copyright, advertising and broadcasting. Rights, privileges and obligations of the press.

Comm 311 (S)

3 hrs. cr.

## Introduction to Public Relations

Nature and scope of public relations and its relationship to interpersonal and interdisciplinary conduct. Basic elements of public relations including planning, special events, speeches, news releases, annual reports, financial reporting, visual and electronic media techniques.

Comm 315 (F, Even)

3 hrs. cr.

## **Argumentation and Debate**

The theory of the modern forms of evidence, evaluations, arguments, methods of refutation and ethical relationships of these methods in a free society. Electronic tournament administration software is used. (Meets certification requirements for secondary education.) Prerequisite: Comm 100.

Comm 320 (S)

3 hrs. cr.

## **Advanced Video Production**

Focuses on the elements of producing and directing video programs. Students spend laboratory time learning techniques of producing programs for the College's television station. One hr. lecture, 4 hrs. lab each week. Prerequisite: Comm 201.

Comm 321 (F, S)

(Per Sem.) 1 hr. cr.

#### **Forensics Workshop**

Advanced practicum in the area of forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit. Prerequisite: Junior or senior standing and Comm 121.

Comm 325 (F)

3 hrs. cr.

## **Broadcast News**

(Writing Intensive) Reporting Experience in writing and reporting news for broadcast. Interview assignments, wire rewriting, and actualities. Computer laboratory experience. Prerequisite: Comm 111.

Comm 330 (F. S)

1 hr. cr.

## **Advanced Communications Practicum**

Intensive laboratory experience on the staff of the College newspaper, yearbook, broadcast media or on special communications projects. Students will work for a minimum of 5 hrs. per week in positions of major responsibilities. May be repeated for a maximum of 6 hrs. of credit.

Prerequisite: Junior or senior standing; media courses to prepare student adequately for work expected; Comm 220 or permission.

Comm 331 (F, S)

2 hrs. cr.

## **Advanced Newspaper Practicum**

Intensive lab experience with opportunities for major leadership position on the staff of the College newspaper. Students will participate fully in the publication of the newspaper working under the supervision of a faculty member. One class session plus a minimum of ten working hours per week are required. Attendance at a weekly newspaper staff meeting also is required. Two hours of credit each term for a maximum of two terms. Prerequisite: Comm 220 and 330.

Comm 333 (S,Odd)

3 hrs. cr.

## Copy Editing

An examination of the newspaper copy editor's role and the editing process. Emphasis on spelling, grammar, the Associated Press Stylebook, editing for accuracy and fairness, coaching writers, writing headlines, and designing pages. Two hours laboratory experience on the College newspaper, The Chart, each week. Prerequisite: Comm 111.

Comm 335 (F,Even)

3 hrs. cr.

## **Feature Writing**

Finding and writing newspaper features and magazine articles, including profiles, columns, reviews, investigative pieces, travel stories, and history articles. A focus on developing and selling story ideas. Work on the College newspaper, The Chart, is required. Prerequisite: Comm 111 or consent of instructor.

Comm 340 (S, Odd)

3 hrs. cr.

## **Exploration Research** in Communications

An introduction into the process of research in communications. Using a variety of research approaches to look at different communication artifacts, classroom focus is on the finding, nature, and evaluation of research. Research methods process is applied to popular communication artifacts.

Comm 345 (F, S, Summer)

1-8 hrs. cr.

## Internship in Communications

Off-campus work experience in areas related to professional goals of students. For advanced majors in communications. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. In all internships students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. Students may repeat the course to a maximum of 8 hrs. of credit. Prerequisite: Communications major with a minimum of 85 semester hrs.; approval of department head prior to enrolling. Some internships may have other specific prerequisites. Guidelines are available in the department's offices and must be followed.

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Comm 350 (Demand)

3 hrs. cr.

**Sports Writing** 

The fundamental principles of reporting and interpreting sports, improving writing and editing skills for game coverage and feature stories and further developing and refining those skills necessary for success in the field. Prerequisite: Comm 111.

Comm 355 (S)

3 hrs. cr.

### Case Studies in Public Relations

Analysis of public relations practices, including planning, communication, evaluation; management responsibilities. Prerequisite: Comm 311.

Comm 360 (S. Odd)

3 hrs. cr.

## Visual Communication:

**Images With Messages** 

An examination of visual modes of communication. Topics will include the basic elements of visual messages, the relation of visual communication to language, and the place of images in everyday life. This course is a direct result of the new age in communications initiated and promoted by computer technology.

Comm 380 (S)

2 hrs. cor.

## International Media Seminar

An extensive lookat the world of international media through the experiences of renowned speakers and discussion leaders. Student will spend a week in Paris, France, attending seminars and conferences and meeting foreign correspondents, syndicated columnists, newspaper editors, television producers, and diplomats. Students must pay for travel and seminar expenses, with specific details available prior to enrollment.

Comm 400 (S. Even)

3 hrs. cr.

## **Advanced Organizational** Communication

The application of communication theory within the organizational structure is the thrust of the course. Particular attention is focused on analysis and diagnostic capabilities. Communication training and development within an organizational setting is emphasized. Prerequisite: Comm 300.

Comm 401 (S)

3 hrs. cr.

## **Nonverbal Communication**

Study types and effects of various nonverbal communication behaviors and develop competencies and skills in applying the study to selected perspectives. Original research as well as published research will be emphasized. Prerequisite: Comm 100.

Comm 405 (S)

3 hrs. cr.

## **Advanced Intercultural**

Communication (Writing Intensive) An in-depth analysis of variables which influence communication among peoples from different cultures. It will be an application of the intercul-

tural theories and principles learned in the basic Intercultural Communication course. This indepth analysis of seven cultures, Northern Ireland, American Indians, Germany, China, Japan, India, and the Amish subculture in North America, from a communication perspective will utilize the case study method. Prerequisite: Comm 305.

Comm 411 (S, Odd)

3 hrs. cr.

## **Political and Social Communication**

Critical analysis of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs; includes lecture, reading and discussion. Prerequisite: Comm 100 and junior or senior standing.

Comm 420 (F)

3 hrs. cr.

## Mass Communications Theory

Explores the various theories which have been applied to understanding the effects of the mass media. Students will learn the various paradigms which have been applied in attempting to predict media performance, reliability and impact. Prerequisite: Comm 100 plus 3 hrs. of communication courses.

Comm 425 (S, Odd)

3 hrs. cr.

## **Broadcast Scriptwriting**

Methods, style and techniques for preparing scripts for various types of radio and television programs and announcements. Using the computer for typing scripts. Emphasis on promotion commercials, public service announcements, partially, scripted and fully-scripted program formats such as public affairs programs, variety shows, game shows, the documentary and drama. Prerequisite: Comm 111 and 200 or 201 or 325.

Comm 430 (Demand)

#### Advanced Broadcast News Reporting

Theory and practice of producing a regularly scheduled television newscast. Study, criticism and evaluation of broadcast journalism. Six laboratory hours plus one staff meeting per week. Course may be repeated for a maximum of six hours. Prerequisite: Comm 325.

Comm 431 (F,S)

2 hrs. cr.

#### **Electronic Field Production**

Planning, designing and executing electronic field productions. This laboratory course is designed to build aesthetic awareness and the technical skills necessary to conceive and develop an idea and communicate that idea to others. Four hours of laboratory weekly. Course may be repeated for a maximum of four hours. Prerequisites: Comm 201.

Comm 450 (S, Even)

3 hrs. cr.

## **Community Journalism**

Examining the nature and role of community journalism in an urbanized society is the thrust of the study. It relies heavily on the expertise of community journalism practitioners as resources of information and research. Experience with small daily and weekly newspapers will be the foundation for developing skills in community journalism. Prerequisite: Comm 111.

Comm 455 (F, Odd)

## Writing for Public Relations

Study, analysis and practice in writing for public relations media or for public relations use by media. Includes writing news, publicity, and feature stories as well as effective letter writing, newsletters and brochures. Prerequisite: Comm 311.

Comm 460 (F)

3 hrs. cr.

## **Global Journalism**

Structures, processes, and functions of newspapers around the world. Encompasses such issues as the use of print media between and within nations, censorship and repression, news coverage of war, and U.S. news coverage of international affairs. Prerequisite: Comm 111.

Comm 470 (F)

3 hrs. cr.

## **New Media Technology**

Exploration of developed and developing technologies likely to shape the future of electronic media. New uses of older technologies. Historical development, regulation, and audience effects of these technologies. Students will become aware of critical controversies and projected future developments of technology. Prerequisite: Comp 105 or equivalent.

Comm 475 (Demand)

3 hrs. cr.

## **Global Broadcasting**

Global analysis of domestic and external broadcasting services with emphasis on their political agendas, origins, technologies, and programming. Special attention placed on political, economic, and regulatory constraints. Prerequisite: 60 hours.

Comm 492 (S)

3 hrs. cr.

## Communication Issues

Required of all communications majors. Synthesizes information obtained from previous coursework. Students are presented with current issues of concern from communications fields and are asked to present possible scenarios for their resolution. Prerequisite: Senior standing, plus 15 hrs. in communications.

Comm 493 (S, Even)

3 hrs. cr.

## International Communication

Comparative analysis of media systems throughout the world, international broadcasting, freedom of the press, media imperialism and the New World Information Order.

Comm 498 (Demand)

3 hrs. cr.

## Special Topics in

**Speech Communication** 

For upper-division students. Topics to be announced each time the course is offered.

Comm 498 (Demand)

1-3 hrs. cr.

## Special Topics in Mass Communications

For upper-division students. Topics to be announced each time the course is offered.

# Communications, English / 79

Comm 499

1-3 hrs. cr.

## Independent Study in Speech Communication

An independent course structured by the adviser with approval of the department head and school dean. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by adviser, department head and school dean prior to enrollment.

Comm 499

1-3 hrs. cr.

## Independent Study in Mass Communications

Individually directed study in selected areas for advanced majors in mass communications. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by the adviser, department head and school dean prior to enrollment.

English

Hearnes Hall 300, 417.625.9377

Faculty Simpson - Head, Ackiss, B.Brown, J.R. Brown, Couch, Dworkin, Greenlee, Kumbier, Marlowe, Martinek, McSpadden, Murphy, Rodgers, Saltzman, Toliver, Walters

The department of English offers Core Curriculum courses in composition and literature for all students at the College. These courses emphasize writing and analytical skills and cultivate an appreciation of literature in all its variety. The department also offers majors in English leading to the bachelor of arts degree and the bachelor of science in education degree.

The bachelor of arts in English provides an excellent preparation for graduates who plan to enter business and industry, who plan to pursue graduate studies in English, and who plan to enter professional schools such as law and even medicine. Graduates of this program are employed in such widely-diverse occupations as human resources, advertising, publishing, sales management, law, mass communications, and college teaching. English majors develop strong skills in writing, organization, and creativity, and they develop a perception and appreciation of the human values that grow out of

the study of literature. Such skills equip English majors for success in the many different fields of employment described above, and more.

The bachelor of arts English major at Missouri Southern comprises two major tracks. The literary studies track focuses on the traditional study of literature, preparing the student for advanced study of English in graduate school, for law school, and for a variety of careers in which understanding of human nature, critical thinking, and oral and written communication skills are valued. The three writing emphases prepare the student for more specialized careers involving writing in the workplace—such as public relations, copy writing and editing, technical writing, and desktop publishingand creative writing. Both tracks require senior capstone experiences: a Senior Seminar (English 495) in the literary studies track and one or two internships (English 491) in the writing emphases. These internships allow the students practical experience using writing and research skills in a workplace environment.

The bachelor of science in education English degree prepares students who wish to teach English/Language Arts at the secondary level (grades 9-12). The English BSE program is accredited by the National Council on Accreditation of Teacher Education (NCATE) and the Missouri Department of Elementary and Secondary Education (DESE), following all the guidelines for teacher preparation of both of these organizations. Taking a prescribed set of courses in Teacher Education and in English, candidates for this degree may choose to certify to teach English as a single field (Plan B) or English plus another field (Plan A). Students who wish to certify to teach English/ Language Arts in the middle school should consult the Teacher Education Program information in the catalog on page 165.

The English Department also offers an English minor with a choice of two emphases. The first, a minor in English with an emphasis in literature, is a traditional English minor that allows students to deepen their knowledge of literature and writing. The minor in English with a writing emphasis is designed for students to develop their writing skills, and it provides them with a way to present their accomplishments to prospective employers and graduate schools. Students who wish to minor in English will arrange a coherent sequence of courses in consulta-

tion with the departmental adviser for minors. Students should choose courses on the basis of their backgrounds, their major programs, and, above all, their interests.

The department offers its majors and other students opportunities to use their talents and pursue their interests through student organizations like the Sigma Tau Delta Honor Society and Live Poets Society, creative arts publications (*The Winged Lion*), and departmental projects like the annual English Field Day, hosted by the department for high school students.

Core Curriculum requirements in Humanities and Fine Arts can be met with the courses listed on page 33 under Area 2, sections B and C. English 101 is a prerequisite to all courses except English 80 and 111. English 102 or 111 is a prerequisite to all writing-intensive courses and 300-400 level English courses. The department urges all students to complete English 101 and 102 in their freshman year.

## Bachelor of Arts with a Major in English Literary Studies Emphasis

Semester Hours
Core Requirements (p. 33) 51\* 45
Foreign Language (four courses in one language) 12
English Requirements 42\*\*

Foundations of English Study	
Eng 202 Writing & Research	
English	3
Study of the English Language	
Eng 301 Intro to English Lin	guistics
OR	
Eng 400 History of the Engli	ish
Language	3
Advanced Writing:	
One course from Eng 216, 310	,
313 and 315	3
Literature Core (minimum of	15
hours, level 200 and above,	
distributed as below):	
British Literature	6
American Literature	6
World Literature	3
Eng 495 Senior Seminar	3
English Electives	15
College Electives	25
	124***

\*Two of the literature survey courses listed under Area 2, sections B and C on page 33

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satisfy both six of the 51 hours required for the Core Curriculum and six of the 15 hours of literature core or English electives required for the major.

\*\*Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

## Bachelor of Arts with a Major in English **General Writing Emphasis**

Semester Hours Core Requirements (p. 33) 51\* Foreign Language (four courses in one language) 12 **English Requirements** 42\*\* Foundations of English Writing and Research in Eng 202 English Study of the English Language Intro to English Linguistics Eng 301 OR Eng 400 History of the English Language **Post-Freshman Composition Writing** One course from Eng 216, 310, 315 3 **Advanced Writing** Three courses from Eng 310, 313, 315, 316, 317 **Literature Core** Minimum of 3 courses chosen from Eng 261, 262; 271, 272; 281,282 Internship with Portfolio Eng 491 Internship in English 3-6 **General English Electives** 9-12 **College Electives** 

\*Two of the English courses listed under Area 2, sections B and C on page 33 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

124\*\*\*

\*\*Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

## Bachelor of Arts with a Major in English Professional/Technical **Writing Emphasis**

Comodici	Hourt
Core Requirements (p. 33) 51*	45
Foreign Language (four courses	
in one language)	12
<b>English Requirements</b>	42**
Foundations of English	
Eng 202 Writing and Research in	n
English	3
Study of the English Language	
Eng 301 Intro to English Linguish	tics
OR	
Eng 400 History of the English	
Language	3
Post-Freshman Composition Wri	ting
One course from Eng 216 OR 315	3
Professional/Technical Writing	
Eng 310 and 313	6
Coursework in Related Discipline	es
Art 215 OR 3153	
Comm 300, 305, OR 360	3
Literature Core	
Minimum of 3 courses chosen from	
Eng 261, 262; 271, 272; 281,282	9
Internship with Portfolio	
Eng 491 Internship in English	3-6
General English Electives	6-9
College Electives	25
	124***

Semester Hours

\*Two of the English courses listed under Area 2, sections B and C on page 33 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

\*\*Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

## Bachelor of Arts with a Major in English **Creative Writing Emphasis**

Semester Hours Core Requirements (p. 33) 51\* Foreign Language (four courses in one language) 12 **English Requirements** 42\*\* Foundations of English Eng 202 Writing and Research in English

Study of the	English Language	
Eng 301 OR	Intro to English Linguist	ics
Eng 400	History of the English	
	Language	3
Post-Fresh	ıman Composition Wri	ting
Eng 310	Professional Writing	3
Eng 315	Advanced Essay Writin	g 3
Creative W	riting	
Eng 216	Intro to Creative Writing	3
Eng 316	Creative Writing: Poetr	у 3
Eng 317	Creative Writing: Fiction	1 3
Literature	Core	
Minimum of	f 3 courses chosen from	
Eng 261, 20	62; 271, 272; 281,282	9
Internship	with Portfolio	
Eng 491	Internship in English	3-6
General Er	nglish Electives	6-9
College Ele	ectives	25
		124***

\*Two of the English courses listed under Area 2, sections B and C on page 33 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

\*\*Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

## **Bachelor of Science** in Education with a Major in English **Grades 9-12 Certification** Plan A One of Two Teaching Fields

Semester Hours Core Requirements (p. 33) 51\* **Computer Literacy Requirement** Educ 301 Computer Software 3 **English Requirements** 33 Study of the English Language Eng 301 Intro to Eng Linguistics 3 Eng 400 History of the English Language 3 **Teaching of Writing** Eng 319 Composition for Teachers 3 **Adolescent Literature** Eng 330 Literature for Adolescents 3 **Advanced Writing** Eng 216 Creative Writing OR Eng 310 Professional Writing OR Eng 313

**Technical Writing** 

OR

						Liigiləli	, 0
Eng 315 Advanced Essay Writing	3		of literature from Area	,			2
Foundations of English			d C plus the required Psyc			ggested Order of Study	
Eng 202 Writing and Research in			Core Curriculum require				
English	3		courses which fulfill these r			of Arts	
Literature Core			vailable in the English depa		· Major Cod	de 1501	
British Literature**	6	Wiust be	e beyond college compos	ition.	English N		
American Literature** World Literature**	6				Literary S	Studies Emphasis	
Education Certification Requirem	. –	Minorin	English				
(p. 167)	37		English		Freshman		
Second Teaching Field (some fiel		(Literatur	e Emphasis)		1st Semest Course	ter	Hours
exceed 30 hours)	30		Semester	- Hours		[Eng 101 Comp I]	3
	145	Eng 216	Creative Writing	(3)	CORE	[Hist 110 or 120]	3
		OR OR	Creative writing	(3)	CORE	[Foreign Language]	3
*Six hours of literature from Area 2, se	ections	Eng 310	Professional Writing	(3)	CORE	[Math 125 or equivalent]	3
B and C plus the required Psycholog		OR	1 Tolessional winning	(0)	CORE	[Econ 180 Amer Econ Sys	-
satisfy Core Curriculum requirement		Eng 313	Technical Writing	(3)	Psy 120	College Orientation	1
**A list of courses which fulfill these re		OR	. John Joan Willing	(0)			10
ments is available in the English depar		Eng 315	Adv Essay Writing	(3) 3	2nd Semes	ster	
***Must be beyond college composit			es at the 300-400 level	(0) 0	0005	[Eng 102 Comp II]	3
			ves (beyond college		CORE	[PSc 120 Gov't]	3
		composition		9	CORE	[Foreign Language]	3
<b>Bachelor of Science</b>		- Composition	,	21	COBE	[Art 110, Mus 110 or Th 1:	-
in Education with a					CORE	[Kine 101 Physical Activity [Hist 110 or 120]	/] 1 3
		*Should be	e chosen in consultation	with an		[11131 110 01 120]	16
Major in English		adviser in	the English department.				
Grades 9-12 Certification					Sophomor	re Year	
Plan B Single Teaching Field					1st Semest		-
Semester	Hours	Minor in	English		CORE	[Foreign Language]	3
	42		Emphasis)		CORE	[Comm 100 Oral Comm] [Bio 101 General Biology]	3
Core Requirements (p. 33) 51* Computer Literacy Requirement	42	(			CORE	[Kine 103 Lifetime Wellnes	
Educ 301 Computer Software	3		Semester	Hours		Creat Wrtg or Eng Lit Core	-
English Requirements	42	A: Six ho	urs of college composi			0 0	15
Study of the English Language	72	Eng 101	College Comp I	(3)			
Eng 301 Intro to Eng Linguistics	3	AND			2nd Semes		0
Eng 400 History of the	-	Eng 102	College Comp II	(3)	CORE Eng 202	[Foreign Language] Wrtg & Research in Eng.	3
English Language	3	OR			CORE	[Phys 100 Physical Science	
Teaching of Writing		Eng 111	Advanced College		CORE	[Psy 100 or Soc 110]	3
Eng 319 Composition for Teacher	rs 3		Composition	(6)	CORE	[Lit Surv/Eng Lit Core]	3
Adolescent Literature				6	5		17
Eng 330 Literature for Adolescent	ts 3		e hours from the follow		huminu V		
Advanced Writing		Eng 216	Creative Writing	(3)	Junior Yea 1st Semest		
Eng 216 Creative Writing		Eng 310	Professional Writing	(3)	CORE	Eng Lit Survey or Eng 305	3
OR		Eng 313	Technical Writing	(3)	Eng 301	Intro to Eng Linguistics	3
Eng 310 Professional Writing		Eng 315	Advanced Essay Writing		Eng 315	Prof Wrtg or Eng Lit Core	3
OR		Eng 316	Creative Writing: Poetry		CORE	[Int'l Cultural Studies]	3
Eng 313 Technical Writing		Eng 317	Creative Writing: Fiction	' '	Eng	Eng Elective	3
OR		0 -	h	12	2		15
Eng 315 Advanced Essay Writing	3		hours in a 300-400 leve	1	2nd Semes	ster	
Foundations of English			tensive course in the		Eng. 400	History of the Eng Lang	3
Eng 202 Writing and Research in		student's	major	3	Eng	Eng Lit Core	6
English	3			21	Eng	Eng Elective	3
Literature Core		For addition	and information contact		Elective	[Minor]	3-6
British Literature**	6		onal information contact:			1	5-18
American Literature**	6		V. Simpson		Senior Yea	ar	
World Literature**	3		earnes Hall 314		1st Semes		
English Electives***	9		17.625.9640		Eng 495	Sen Sem or Eng Elective	3
Education Certification Requirem		E-mail: sir	npson-d@mail.mssc.edu		Eng	Eng Lit Core	3
(p. 167)	37				Eng	Eng Elective	3
	124				Elective	[Minor]	3-6
						1	5-18

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#### 2nd Semester

Eng 495	Sen Sem or Eng Elective	3
Eng	Eng Lit Core	3
Elective	[Minor]	6-9
	1	2-15

#### [Department Recommendations]

Students must choose one course from 216 (fall), 310 (fall), 313 (spring) or 315 (spring). Eng 301 is offered fall semesters only; Eng 400 is offered in spring semesters only. Six hours of literature selected from Area 2, sections B and C will satisfy six hours of the Core Curriculum requirements page 33.

# Bachelor of Arts Major Code 1501 English Major

English Major General Writing Emphasis Professional & Technical Writing Emphasis

Creative Writing Emphasis

Options for course selection vary on a semester by semester basis. The major adviser will supervise the student's choices during the registration process.

## For additional information contact:

Dr. Dale W. Simpson Office: Hearnes Hall 314 Phone: 417.625.9640

E-mail: simpson-d@mail.mssc.edu

## Bachelor of Science in Education Major Code 9024 English Major

English Major Grades 9-12 Certification Plan A One of Two Teaching Fields

Note: Students following Plan A should consult an adviser in English and the other major to work out an individualized program.

#### Freshman Year

### 1st Semester

CORE	[Eng 101 Comp I]	3	
Psy 100	General Psychology	3	
CORE	[Hist 110 or 120 U.S. Hist]	3	4
CORE	[Math 125 or equivalent]	3	
CORE	[Kine 101 Physical Activity]	1	
Psy 120	College Orientation	1	
CORE	[Econ 180 Amer Econ Sys]	3	
		17	

#### 2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Lit Surv: Brit/Amer/Wrld]	3
CORE	[PSc 120 Gov't:U.S./St/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110, Th 110]	3
Educ 100	Orientation to Educ I	1

#### Sophomore Year

1st Semester

write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT is less than 20, student should retake ACT. [Area 2 C: Eng, Amer, World Lit] OR Eng 305 Short Story Eng [Eng. Amer or World Lit] 3 CORE [Kine 103 Life Wellness] 2 CORE [Phys 100 Phys Science] 5 Psy 301 Adolescent Psychology 3 Educ 200 Orientation to Educ II 1 17

Take C-Base test. Get faculty recommendation,

#### 2nd Semester

Apply for admission to teacher education during first six weeks of the semester.

Eng 202	Wrtg & Res in Eng	3
Psy 302	Exceptional Child	2
Psy 310	Educational Psychology	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110, 120 or 320]	3
Educ 301*	Computer Software	3
		17

\*This is a certification requirement and must be taken by all teacher education students.

#### Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admission to teacher education.

#### 1st Semester

Eng 301 Eng 310 OR	Intro to Eng Linguistics Professional Writing	3
Eng 216	Creative Writing	3
0	9	_
Educ 321	Microteaching	2
Educ 329	Ped Theo Meth & Prac	4
Educ 423	Classroom Management	2
English	Elective	3
		17

2nd	Semeste	r	
Eng	400	Hist of Eng Language	
Eng	315	or Eng Elective	

Eng 315	or Eng Elective	3
Eng	[Brit, Amer or World Lit]	3
Eng 330	Lit for Adolescents	3
Eng	[English,American,or Wld Lit]	3
Educ 422'	Content Area Literacy: Secon.	2
	4	7

\*Can be taken concurrent with Junior Block or any following semester except for Professional Block.

#### Senior Yea

Apply for admission to student teaching. All course work must be completed except for professional semester courses.

#### 1st Semeste

ist Semesi	er	
Eng	Electives	3
Elective	(General)	3
Eng 319	Comp for Teachers	3
CORE	[Intern'l Cultural Stu]	3
		12

## 2nd Semester

Educ 332	Tching Eng in Sec Sch	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412 OR	Mid Sch Org/Ph. & Curr (2)	
Educ 420* OR	Intro to Counseling (3)	
Psy 412	Meas & Eval (2)	2-3

#### [Department Recommendations]

\*Offered at night only. Must be taken the semester prior to student teaching.

16-17

## **Bachelor of Science in Education**

Major Code 9024

**English Major** 

Plan B Single Teaching Field Grades 9-12 Certification

#### Freshman Year

#### 1st Semester

13t Selliestel		
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Hist 110 or 120]	3
CORE	[Math 125 or equiv]	3
CORE	[Kine 101 Physical Activity]	1
Psy 120	College Orientation	1
CORE	[Econ 180 Amer Econ Sys]	3
		17

## 2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Lit Survey: Brit/Amer/World]	3
CORE	[PSc 120 Gov't:U.S./St/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110 or Th 110]	3
Educ 100	Orientation to Educ I	1
	1	7

#### Sophomore Year

1st Semester

Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT iss less than 20, student should retake ACT.

CORE	[Area 2-C: Eng/Amer/Wld Lit]3
Eng	[Brit, Amer or World Lit] 3
CORE	[Kine 103 Lifetime Wellness] 2
CORE	[Phys 100 Physical Science] 5
Psy 301	Adolescent Psychology 3
Educ 200	Orientation to Educ II 1
	477

#### 2nd Semester

Apply for admission to teacher education during

first six weeks of the semester.			
Eng	[Brit, Amer or World Lit]	3	
Psy 302	Exceptional Child	2	
Psy 310	Educ Psychology	3	
CORE	[Comm 100 Oral Comm]	3	
CORE	[Hist 110, 120 or 320]	3	
Educ 301*	Computer Software	3	

# English / 83

\*This is a certification requirement and must be taken by all teacher education students.

#### **Junior Year**

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admisssion to teacher

1st Semeste	r
-------------	---

	13t Octilieste		
	Eng 301	Intro to Eng Linguistics	3
	Eng 310 OR	Professional Writing	
	Eng 216	Creative Writing	3
	Educ 329	Ped Theo Meth & Prac	4
	Educ 321	Microteaching	2
,	Educ 423	Classroom Management	2
	Elective	(General)	3
			17

### and Competer

	Zilu Seilles	161	
	Eng 400	History of Eng Lang	3
	Eng 216	or 315 or Eng Elective	3
7	Eng 330	Lit for Adolescents	3
	Eng	Brit, Amer or World Lit	3
	Educ 422*	Content Area Literacy:	Sec. 3
			15

\*Can be taken concurrent with Junior Block or any following semester except for Professional Block.

## Senior Year

Apply for admission to student teaching. All course work must be completed except for Professional Semester courses.

## 1st Semester

Eng	Electives	9
Eng 319	Comp for Teachers	3
CORE	[International Cultural Stu]	3
		15

## 2nd Semester

Educ 332	Tching Eng in Sec School	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412	Indiv Curriculum Dev (2)	
OR		
Educ 420*	Intro to Counseling (3)	
OR		
Psy 412	Meas & Eval (2)	2-3

[Department Recommendations]

\*Offered at night only. Must be taken the semester prior to student teaching.

For additional information contact: Dr. Dale W. Simpson

Office: Hearnes Hall 314 Phone: 417.625.9640

E-mail: simpson-d@mail.mssc.edu

# **Course Descriptions**

3 hrs. cr.

## **Basic Composition**

Offered through the Learning Center, for students whose Writing Placement scores indicate a need for developmental composition. Students will write at least six major papers with special attention given to mechanics, grammar, syntax, paragraphing and organization. Students must pass English 80 before registering for English 101. No credit toward baccalaureate degree.

#### Eng 101

3 hrs. cr.

College Composition I (Writing Intensive) An introduction to the principles of college-level writing and critical thinking. Students will write a number of essays for a variety of purposes and audiences. Successful completion of the course permits the student to enroll in English 102. Students demonstrating exceptional ability as indicated by Writing Placement scores may take English 111. (Meets Area 1 Core Curriculum requirement.)

## Eng 102

3 hrs. cr.

College Composition II (Writing Intensive) Continued development of writing skills. Emphasizes writing from sources. Initiation, development and completion of a research paper. Prerequisite: English 101. (Meets Area 1 Core Curriculum requirement.)

## Eng 111

3 hrs. cr.

## **Advanced College**

Composition (Writing Intensive) For students whose Writing Placement scores demonstrate exceptional proficiency. With a grade of 'C' or better in English 111, a student also automatically receives three hrs. credit for English 101, thereby satisfying the six hour composition requirement. Students receiving a D in English 111 must take English 102.

#### Eng 150

16-17

3 hrs. cr.

## Introduction to Literature

An examination of literary themes, techniques, and approaches reflected in the genres of fiction, poetry, and drama. Does not count toward the English BA and BSE majors. Prerequisite: Eng 101 or Eng 111 (Meets Area 2C Core Curriculum requirement for majors outside of English.)

#### Eng 160

## Introduction to Film Studies

An introduction to the study of film as a literary genre and art form. Prerequisite: Eng 101 or Eng 111. Two hrs. lecture, 2 hrs. lab.

## Eng 202

3 hrs. cr.

## Writing and Research

in English

(Writing Intensive)

A required gateway course for English BA and BSE majors. An introduction to the aims and methods of writing and scholarship in the discipline. Prerequisite: Eng 101 and 102 or Eng 111.

#### Eng 216

3 hrs. cr.

**Creative Writing** (Writing Intensive) Writing of prose, poetry and drama. A study of the writer's roles and technical approaches to literature in order to develop creative writing skills. Prerequisite: Eng 101 and 102 or Eng 111.

## Eng 261

3 hrs. cr.

## World Literature I

Selected literature from the ancient world through the Renaissance, excluding British and American literature. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

#### Eng 262

3 hrs. cr.

## World Literature II

Selected literature from the Renaissance to the present, excluding British and American literature. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirements.)

## Eng 271

3 hrs. cr.

## **British Literature I**

Survey of British literature from its beginnings through the eighteenth century. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

## Eng 272

3 hrs. cr.

#### **British Literature II**

Survey of British literature from the Romantic Movement to the present. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

## Eng 281

3 hrs. cr.

#### American Literature I

A survey of American literature from its beginning to the Civil War. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

## Eng 282

3 hrs. cr.

## American Literature II

A survey of American literature from the Civil War to the present. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirements.)

### Eng 298 (Demand)

3 hrs. cr.

### **Explorations in Literature**

Studies in a variety of literary subjects. Topic open. Prerequisite: Eng 101 or 111.

#### Eng 301 (F)

3 hrs. cr.

## Introduction to English Linguistics

The scientific study of the English language, from ca. 1960 to the present, covering such topics as phonology, morphology, syntax, language acquisition, regional and social variation, and usage. Prerequisite: Eng 101 and 102 or Eng 111.

# 84 / English

Eng 305

3 hrs. cr.

The Short Story

An indepth study of the short story with representative writers from throughout the world. Prerequisite: Eng 101 and 102 or Eng 111. (Meets Area 2C Core Curriculum requirement.)

Eng 310 3 hrs. cr. **Professional Writing** (Writing Intensive) An advanced course focused on the writing demands of professional occupations. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 313 3 hrs. cr. **Technical Writing** (Writing Intensive) An advanced course focused on the practical demands of on-the-job writing, designed primarily for upper-level students preparing for careers in science, technology or social science. Prerequisite: Eng 101 and 102 or Eng 111.

3 hrs. cr. Advanced Essay Writing (Writing Intensive) An advanced course in the principles of prose style, focusing on the academic essay. Recommended for all students, especially those entering the professions or aspiring to become writers. Prerequisite: Eng 101 and 102 or Eng 111.

Creative Writing: Poetry (Writing Intensive) An advanced course in the writing of poetry, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: Eng 101 and 102 or Eng 111, and Eng 216 or permission of instructor.

Eng 317 Creative Writing: Fiction(Writing Intensive) An advanced course in the writing of fiction, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: Eng 101 and 102 or Eng 111, and Eng 216 or permission of instructor.

Eng 319 (F) 3 hrs. cr.

Writing in the Middle and

Secondary School (Writing Intensive) For prospective teachers of English. Composition theory and pedagogy. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 325 3 hrs. cr. Children's Literature (Writing Intensive) A reading, lecture and observation course for elementary education students, including evaluation of children's literature, its historical development, and its uses in the elementary school. Does not count toward the English BA and secondary English BSE majors. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 330

3 hrs. cr.

Literature for

**Adolescents** (Writing Intensive)

An extensive reading course for English education majors including evaluation of adolescent literature, some methodology for classroom use, and a major unit on minority literature. Prerequisite: Eng 101 and 102 or Eng 111.

3 hrs. cr.

Women's Literature

A study of the literary tradition of women authors writing in English. Prerequisite: Eng 101 and 102 or Eng 111.

3 hrs. cr. Eng 340

**Black American Literature** 

A study of literature written by African-Americans from the Colonial Period to the present. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 345 3 hrs. cr.

The American Novel

A study of the development of the novel in America. Representative works of authors such as Hawthorne, Melville, Twain, Hemingway, and Faulkner. Prerequisite: Eng 101 and 102 or Eng 111.

3 hrs. cr. Eng 350

**Recent American Fiction** 

A study of the major writers and movements in American fiction since World War II. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 355 3 hrs. cr.

**Arthurian Literature** 

Emphasizes the origin and development of Arthurian legends in the Middle Ages; studies the treatment of Arthurian literature in modern times. Works read in modern English translation. Prerequisite: Eng 101 and 102 or Eng 111.

3 hrs. cr. Eng 360

Modern World Drama

A study of world drama from Ibsen to the present. Selections from European, British, American, Asian, and African playwrights. Eng 101 and 102 or Eng 111.

Eng 370 3 hrs. cr.

**Twentieth Century Poetry** 

A study of British and American poetry from the works of W.B. Yeats to the present. site: Eng 101 and 102 or Eng 111.

3 hrs. cr. Eng 380

The British Novel

Studies in the British novel from 1700 to the present, featuring representative works by such authors as Austen, Dickens, and Joyce. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 385 3 hrs. cr. **Continental Novel** 

A study of representative works by European novelists of the nineteenth and twentieth centuries. Emphasis is on the major European novelists such as Tolstoy, Dostoevsky, and Kafka. Works read in modern English translation. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.) Prerequisite: Eng 101 and 102 or Eng 111.

Eng 390

3 hrs. cr.

Epic

An intensive study of a range of Western and non-Western epic poetry and prose, with emphasis on literature from non-English speaking cultures. Works read in modern English translation. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 391 3 hrs. cr.

World Poetry

An intensive study of a range of European and non-European lyric poetry in translation. Works read in modern English translation. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 400 (S) 3 hrs. cr.

History of the English Language

A study of the ancestors of Modern English and the effect of other languages, peoples, and cultures upon the development of English. Phonology, morphology, syntax, and usage of the language throughout its history. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 410

Medieval English Literature

A study of the literature of England from the 11th through the 15th centuries, emphasizing such authors as Chaucer and Malory, and the genres of poetry and drama. Prerequisite: Eng 101 and 102 or Eng 111.

3 hrs. cr. Eng 415

Renaissance Prose and Poetry

A study of British poetry and prose from 1500 to 1660. Focuses on such major figures as Sidney, Spenser, Donne, Marvell, and Milton. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 420 3 hrs. cr.

**British Drama to 1800** 

A study of British drama from its beginnings to 1800 (excluding Shakespeare). Focuses on the period of great British drama of the Renaissance and on Restoration comedy. Includes such major figures as Marlowe, Jonson, Webster, and Congreve. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 425 3 hrs. cr.

**Restoration and Eighteenth Century British Literature** 

A study of British poetry and prose from 1660-1798, representing Neoclassicism and the Enlightenment. Focuses on such major figures as Dryden, Pope, Swift, Johnson, and Burns. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 430 3 hrs. cr.

The Romantic Period

A study of British literature from 1798 to 1832 treating major such authors as Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. Prerequisite: Eng 101 and 102 or Eng 111.

# English, Environmental Health / 85

Eng 435 3 hrs. cr. The Victorian Period

A study of British literature from 1832 to 1901, examining such representative authors as Tennyson, Carlyle, Browning, and Dickens. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 450 (F) 3 hrs. cr. Shakespeare

A study of selected comedies, histories, tragedies, romances, and poems. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 455 3 hrs. cr. **British Literature: Major Figures** 

An intensive study of a major author or authors whose contribution to British literature is of significant worth. May be repeated with variation of author. Prerequisite: Eng 101 and 102 or Eng 111.

American Literature: Major Figures

An intensive study of a major author or authors whose contribution to American literature is of significant worth. May be repeated with variation of author. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 480 3 hrs. cr. **Literary Criticism** 

A study of major schools of criticism and the major representatives of each school.

Prerequisite: Eng 101 and 102 or Eng 111. Eng 491 1-8 hrs. cr.

Internship in English Practical experience using writing skills in a professional environment. All internships must conform with MSSC institutional policy regarding the number of hours work per credit and contractual agreements with cooperating facility. Three-hour internships may be repeated. Prerequisites: Pre-

requisite: Eng 101 and 102 or Eng 111; Ad-

vanced standing with a GPA of 3.0 and approval of a departmental committee.

Eng 495

Senior Seminar (Writing Intensive) Intensive study of one or more literary authors, genres, and/or historical periods, culminating in a substantial research paper. Topic open. Prerequisite for English majors: Eng 202. For senior English majors or for others by permission of department head (Prerequisite: Eng 101 and 102 or Eng 111).

Eng 498 3 hrs. cr.

Seminar in Literature

For advanced English majors or by permission of department head. Topic open. Prerequisite: Eng 101 and 102 or Eng 111.

1-3 hrs. cr. Eng 499

Independent Study

Individually directed study in selected areas for advanced English majors. Prerequisite: Eng 101 and 102 or Eng 111; a GPA of 3.0 in English. Enrollment must be approved by adviser, department head, and school dean.

# **Environmental** Health

Reynolds Hall 320, 417.625.9765

Faculty Fletcher - Coordinator, Kennedy

The College offers a four-year bachelor of science in environmental health. Environmental Health is the science of protecting the human environment. Career opportunities include professional positions with state and local health departments, environmental protection agencies and corporate occupational health and safety divisions. The program is fully accredited by the National Environmental Health Science and Protection Accreditation Council (NEHSPAC).

**Bachelor of Science Environmental Health Major** 

(Major Code 1299)

Semester Hours Core Requirements (p. 33) 51\* 39 **Biology and Environmental Health** Core 30 Bio 101 General Biology

OR Bio 121 Human Anat & Phys I Bio 231 General & Medical Microbiology 5 Bio 290 Research Methods in Biology 2 EH 312 **Environmental Biology** 4 **Environmental Health** EH 370 3 EH 371 2 Toxicology EH 372 Environmental Reg and Program Adm 2 EH 377 Food & Community Sanitation 4 EH 380 **Epidemiology** 3 EH 381 Risk Assess & Comm 1

**Mathematics and Physical Science** Requirements

25

5

Math 140 College Algebra and Trig (Math 130 + Math 135 = Math 140) 5 Chem 101 General Chemistry I 5 Chem 102 General Chemistry II 5 Chem 300 Introduction to Modern Organic Chemistry OR Chem 301 Organic Chemistry I 5 Phys 151 Elementary College

**Physics** 

College Computer Requirement

Bio 303 Computer Applications in

2-3

30

3

Biology (2)

OR

EH 304 GIS (3)

OR

Approved Computer Course (3) 2-3

**Environmental Health Elective Block** 

Select approved courses to complete a 30 hr. block of which

20 hours must be EH courses. Must include the following:

EH 211 Soil Morphology and Sewage Systems 2 EH 376 **Environmental Protection 4** EH 378 Occupational HIth &

Safety EH 450 Internship in Environ-

mental Health 2-8

Select from the following to complete the 30 hour block:

Bio 221 Human Anat & Phys II 5 OR Bio 301 Human Physiology 4 Bio 240 Radiation Biology 3 Bio 361 Parasitology 4 Bio 402 General Ecology 4 Bio 481 Aquatic Ecology 4 Chem 201 Analytical Chemistry 5 EH 201 Hazardous Materials EH 298 Selected Topics in Environmental Health 1-8 EH 300 Environmental Geology 4 EH 304 GIS 3 EH 352 International Environmental Health 3 EH 373 Solid Waste Manage 2 EH 375 Vector Control 2 EH 498 Seminar in Environmental Health 1-3 EH 499 Problems in Environmental Health 1-3 Geog 302 World Env Issues 3 MIDS 402 Sustainability 3 PSc 421 Public Administration 3 124-127\*\*

\*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hrs. of the Core Curriculum.

\*\*Must include at least 40 hours of upper division.

Majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three "WI" classes in environmental health, biology or

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a supporting area. See page 32 for Writing Intensive requirements.

There are two other options that meet the 30 hour Environmental Health Elective Block.

## Option I: Water and Wastewater Management

This option requires the student to satisfy the same requirements as shown for the bachelor of science in environmental health. They may satisfy the 30 hour Environmental Health elective block by successful completion of the Water and Wastewater program at Crowder College, Neosho, Mo., or the Environmental Water Technology program, with emphasis in water and wastewater, at Fort Scott Community College at Fort Scott, Ks. 20 of the 30 block hours will be credited as upper division. Students interested in this option should contact the Environmental Health coordinator.

# Option II: Environmental Health and Safety

This option requires the student to satisfy the same requirements as shown for the bachelor of science in environmental health. They may satisfy 25 of the 30 hour Environmental Health elective block by successful completion of the Environmental Health Program at Maple Woods Community College in Kansas City, Mo. or Northwest Arkansas Community College in Bentonville, Ark. This option also requires 5 hours of EH 450. 17 of the 30 block hours will be credited as upper division. Students interested in this option should contact the Environmental Health coordinator.

## Suggested Order of Study

## Bachelor of Science Degree Major Code 1299 Environmental Health Major

#### Freshman Year

1st Semeste	er	
Course		Hour
Bio 101	General Biology	4
CORE	[Area 4 - Am. Cultural Study	] 3
CORE	[Eng 101 Comp I]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Psy 120 College Orient]	1
Math 140	College Algebra & Trig	5
		17

2nd Semes	ter	
Chem 101	Gen Chemistry I	5
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
Phy 151	Elem College Physics	5
,		40

## Sophomore Year

Copilomon	o i oui	
1st Semeste	er	
CORE	[Area 4 - Am Cultural Study]	3
Bio 231	Gen/Med Microbiology	5
Chem 102	Gen Chemistry II	5
CORE	[Comm 100 Oral Comm]	3
		16

### 2nd Semester

5
_
3
3
3
2
16

Chem 300 Intro to Mod Ora Chem

## **Junior Year**

ist semesi	er	
EH 211	Soil Morph & Sewage Sys	2
EH 312	Environmental Biology	4
EH 372	Env Regs & Prog Admin	2
EH 376	<b>Environmental Protection</b>	4
EH 304	GIS	3
		15
2nd Semes	ster	
EH 371	Toxicology	2

EH 371	Toxicology	2
EH 377	Food & Com Sanitation	4
EH 378	Occupational Hlth & Safety	3
EH 381	Risk Assessment	1
CORE	[Area 4 - Am Cultural Study]	3
CORE	[Humanities and Fine Arts]	3
		16

## Senior Year

15t Semes	ie		
EH Block		[EH 373 Solid Waste Manage]	2
EH Block		[EH 375 Vector Control]	2
Bio 290		Research Methods	2
CORE	ø	[Humanities and Fine Arts]	3
CORE		[International Cultural Study]	3
EH Block		[EH Block Elective]	3
			15

#### 2nd Semester

Ziiu Seillesi	E	
EH 380	Epidemiology	3
EH Block	[EH 201 Hazard Materials]	4
EH Block	[EH Block Elective]	5
EH 450	Internship in Env Health	2
		14

[Departmental Recommendations] Program must satisfy Writing Intensive (WI) requirements page 32. For additional information contact:

Mr. Michael Fletcher Office: Reynolds Hall 320 Phone: 417.625.9765

E-mail: fletcher-m@mail.mssc.edu

Mr. Michael Kennedy Office: Reynolds Hall 312 Phone: 417.625.9857

E-mail: kennedy-m@mail.mssc.edu

# Course Descriptions

EH 201 (Demand)

4 hrs. cr.

## Hazardous Materials and Waste Management

Knowledge will be gained in the proper storage, handling and disposals of hazardous materials and hazardous waste. All students who successfully complete this course will be awarded Hazardous Waste Operations and Emergency Response (HAZWOPER) certificates. Prerequisites. Biology 101 or 121 and Chem 101.

EH 211 (F, Odd)

3 hrs. cr.

Soil Morphology and Sewage Systems Information for the environmental health practitioner on soil morphology and site assessment for the design of small sewage treatment systems. One hour of lecture and two hours of field and/or laboratory activities are required per week. Prerequisites: Bio 101 or 121 and Chem 101.

EH 298 (Demand)

1-8 hrs. cr

Selected Topics in Environmental Health Special topics in environmental health not normally included in another course. Prerequisite: Permission.

EH 300 (Demand)

4 hrs. cr.

**Environmental Geology** 

Introduction to man's relationship to the earth's environment. Limitations of natural resources and future projections are considered along with man's demands on the environment. Oil spills, surface mining, waste disposal, ground water and other problems of a geologic nature are reviewed. Natural environmental hazards, such as volcanoes, earthquakes, subsidence, mass movements and floods are examined. Prerequisites Physics 151 (Cross-listed in geology.)

EH 304 (F, Odd)

3 hrs. cr.

**Geographic Information Systems** 

Explores the expanding use of Geographic Information Systems (GIS) in ecology, environmental health, and related fields. Satisfies the computer literacy requirement for biology and environmental health majors. Lecture and laboratory scheduled equivalent to 3 credits. Prerequisite: Bio 101. (Cross-listed in biology.)

# **Environmental Health , Foreign Languages / 87**

EH 312 (F) 4 hrs. cr. Environmental Biology (Writing Intensive) Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2 hr. lab per week. Prerequisite: Bio

EH 352 (Demand) 3 hrs. cr. International Environmental Health

101 or 121. (Cross-listed in biology.)

International Environmental Health is an in-depth study of environmental health issues in countries other than the United States of America. This course will be approached by selecting a country to be studied, reviewing the environmental issues pertinent to the selected country. Environmental health issues, which are common to many countries, as well as issues which are unique to the selected country will be studied. The environmental health issues of the selected country will be studied in the classroom and followed up with an extended field trip usually lasting approximately two weeks. Prerequisites: EH 312.

EH 370 (S)

**Environmental Health** 

Contemporary heatlh problems and public heath protection measures, including public health disease prevention, and environmental health hazards. Three lectures per week. Prerequisite: Bio 101 or Bio 121. (Cross-listed in biology.)

EH 371 (S, Even) 2 hrs. cr. Toxicology

An introduction to toxicants which threaten the health of humans. Three lectures per week. Prerequisite: Bio 101 or 121.

EH 372 (F, Odd) 2 hrs. cr.

**Environmental Regulations and Program Administrations** 

Study of regulations which constitute the basis for management of environmental agencies and organization of environmental health agencies. Prerequisite: EH 370.

EH 373 (F, Even) 2 hrs. cr.

Solid Waste Management

Introduction to the problems and solutions related to the generation, storage, collection and disposal of solid wastes. Management aspects of planning, organizing, designing and operating refuse collection and disposal systems also included. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 375 (F, Even) 2 hrs. cr.

**Vector Control** 

Identification and control of organisms which serve as reservoirs and vectors of diseases. One lecture, one 2-hr. lab per week. Prerequisite: Bio 101 or Bio 121 and Chem 101.

4 hrs. cr. EH 376 (F, Odd)

**Environmental Protection** 

This course will provide information on soils, water quality, water treatment systems, wastewater treatment systems, air quality and air pollution control necessary for the environmental quality practitioner in government or industry. Three hours of lecture and two hours of field and/ or laboratory activities are required per week. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 377 (S, Even)

4 hrs. cr.

Food and Community Sanitation

Introduction to concepts, principles and methods generally useful in performance of duties of city and county health department personnel. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 378 (S, Even) 3 hrs. cr. Occupational Health and Safety

An introduction to the concepts, principles, and methods generally employed by industrial health and safety officers in the performance of their duties. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 380 (S, Odd) 3 hrs. cr. **Epidemiology** 

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease. Prerequisite: Bio 101 or Bio 121. (Cross listed in biology.)

EH 381 (S, Even) 1 hr. cr. **Risk Assessment and Communication** 

Introduction to the concepts, principles, and methods generally useful in assessing risk and communicating the levels of risk to workers and the public. Prerequisite: EH 370.

EH 450 (F, S) 1-8 hrs. cr. Internship in Environmental Health

Experience in actual observation and work at health facilities, health regulation agencies and/ or industrial plants where environmental health is a viable concern. Periodic meetings between the Missouri Southern coordinator, the cooperating institution and the student will be required. The student should not be employed in any job that will prevent full-time, maximum concentration on the academic internship. Prerequisite: Junior or senior standing in environmental health or biology curricula.

EH 498 (Demand) 1-3 hrs. cr. Seminar in Environmental Health

For upper division environmental health and biology majors only. Meets regularly a minimum number of hours. Designed to give specialized instruction in some discipline of environmental health not covered in other courses. Prerequisites: Junior standing, 20 hrs. in environmental health and/or biology and a minimum GPA of 2.5 in environmental health and/or biology or permission.

EH 499 (Demand) **Problems in Environmental Health** 

Individual work under the supervision of a staff member, with the credit and hours to be arranged. Problems may be undertaken in any field of environmental health, with adequate preparation and the consent of the supervising instructor, coordinator, department head and school dean. Prerequisites: Minimum GPA of 3.0 in 20 hrs. of environmental health and/or biology.

# **Foreign Languages** and Literatures

Webster Hall 352, 417,625,9580

Faculty Moorman - Head, Burch, Cramer, Chang, Guzman, Hou, Karmanova, Mere, Nakai, Sartori, Suro, Talavera, Weber

The foreign language section of the department of communications offers the Bachelor of Arts degree with majors in French. German, and Spanish. Minors in Chinese, French, German, Japanese, Russian, and Spanish are available. The department also offers the Bachelor of Science in education degree in French, German, or Spanish, with the chosen language as a single teaching field or as one of two teaching fields.

For the degrees in French or German, there is a residency requirement of at least one month of study or work in a French- or German-speaking country or participation in a French or German immersion program. For the degrees in Spanish such residency or immersion is strongly advised. Opportunities for such programs exist through Collegesponsored programs here and abroad. through the College's membership in the International Student Exchange Program (ISEP) and through internships. The faculty provide close guidance to students in planning such experiences. Through the Institute of International Studies students may be eligible for grants and/or scholarships to assist in financing these experiences.

Study abroad programs are open to all students, regardless of major, and are also available in Chinese, Japanese, and Russian.

All language majors and minors require a demonstration of oral and written proficiency through examinations. Guidelines for these examinations are available in the department of communications.

Students with experience in a foreign language may receive academic credit for such experience through a program of "testing

out." A student may test out of the first four courses of a language (101,102,203,204) by making appropriate arrangements with a faculty member in the specific language to be tested. The guidelines for testing out of a course require that the student be enrolled in the College at the time of the examination and be working toward a degree at Missouri Southern State College. The student must complete all "testing out." examinations before a grade is issued in a more advanced language course. The student may not have taken an examination over the course within the preceding six months. The examination may not be used to replace a previously earned grade.

Placement in foreign language courses is on the basis of prior experience and training, and students are informed at the time of placement about "testing out" procedures. Students with no prior experience in the chosen language should enroll in a 101 course in that language. Students with only one year of high school foreign language courses should also enroll in a 101 class; however, it is possible that after one or two weeks of classes the student will be asked to move to a higher level class. Students who had two years of a language in high school should enroll in a 102 course of the same language if they received at least a "B" in the high school language. Students who had three or four years of a high school foreign language should enroll in a 203 course, provided their high school grades were a "B" average in that language. Students who may have attained a proficiency greater than that offered in a 203 course will be placed appropriately after assessment is made of their skills in class. Students with five years or more of a language will need to consult with a faculty member in the specific language. In all cases, students must arrange with their instructors to "test out" of lower-numbered courses to receive credit and must do so prior to the date announced by the department.

## Bachelor of Arts with a Major in French

Semester Hours

	Semester	HOU	115
Core Requirement	s (p. 33) 51*		48
Computer Literacy	Requirement:		
Comp 105 Intro to	Micro Use		3
French Requireme	ents		33
Fren 101, 102, 203,	, 204**	12	
Language courses	(300 or above)**	* 6	
Culture courses (30	00 or above)***	6	

Literature courses (300 or above)***	6
Electives (300 or above)***	3
Additional Requirements****	

1. Proficiency examinations

2. Residency abroad (See explanations below)

Electives	40
	124+

\*Three hours of foreign language fulfill Area 5 requirement of the Core Curriculum.

\*\*Fren 101, 102, 203, 204 fulfill the 12-hour foreign language requirement for the B.A. degree.

\*\*\*These courses in French must be at the 300-400 level and must be chosen in consultation with the student's adviser.

\*\*\*\*Additional requirements for the French major are:

 Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.

2. A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a collegesponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.

+Must include 40 upper-division hours.

## Bachelor of Science in Education with a Major in French Grades K-12 Certification

Plan A One of Two Teaching Fields

Semester Hours
Core Requirements (p. 33) 51\* 45
Computer literacy Requirement:
Educ 301 Use of Computer Software
in the Classroom 3

French Requirements 33
Fren 101, 102, 203, 204 12
Students will select at least 21 hours at the 300-400 level according to the

at the 300-400 level according to the following distribution:
Language courses (300 or above)\*\*

Culture courses (300 or above)\*\* 6
Literature courses (300 or above)\*\* 6
Electives (300 or above)\*\* 3
Additional Requirements\*\*\*

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42

Second Teaching Field (some fields exceed 30 hrs.) 30

\*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

\*\*These courses in French must be at the 300-400 level and must be chosen in consultation with the student's adviser.

\*\*\*Additional requirements for the French major are:

 Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.

2. A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a collegesponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.

 Students must complete the course work designated by the department of education and must meet current Missouri state certification require-

# Foreign Languages / 89

ments. New requirements are under consideration and will define certification in terms of specific competencies that the student can demonstrate.

\*\*\*\*A minimum of 124 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 124.

## Bachelor of Science in Education with a Major in French Grades K-12 Certification Plan B Single Teaching Field

Core Requirements (p. 33) 51\* 45
Computer literacy Requirement:
Educ 301 Use of Computer Software in the Classroom 3
French Requirements 33

Fren 101, 102, 203, 204

Students will select at least 21 hours
At the 300-400 level according to the following distribution:

Language courses (300 or above)\*\* 6
Culture courses (300 or above)\*\* 6
Literature courses (300 or above)\*\* 6
Electives (300 or above)\*\* 3
Additional Requirements\*\*\*

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42 General Electives 4

124-127

\*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

\*\*These courses in French must be at the 300-400 level and must be chosen in consultation with the student's adviser.

\*\*\*Additional requirements for the French major are:

 Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.

- 2. A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a collegesponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- Students must complete the course work designated by the department of education and must meet current Missouri state certification requirements. New requirements are under consideration and will define certification in terms of specific competencies that the student can demonstrate.

## Bachelor of Arts with a Major in German

Semester Hours Core Requirements (p. 33) 51\* **Computer Literacy Requirement:** Comp 105 Intro to Micro Use 3 German Requirements 33 Ger 101, 102, 203, 204\*\* 12 Language courses (300 or above)\*\*\* 6 Culture courses (300 or above)\*\*\* 6 Literature courses (300 or above)\*\*\* 6 Electives (300 or above)\*\*\* 3 Additional Requirements\*\*\*\* 1. Proficiency examinations 2. Residency abroad (See explanations below)

Electives 40

\*Three hours of foreign language fulfill Area 5 requirement of the Core Curriculum.

\*\*Ger 101, 102, 203, 204 fulfill the 12-hour foreign language requirement for the B.A. degree.

\*\*\*These courses in German must be at the 300-400 level and must be chosen in consultation with the student's adviser.

\*\*\*\*Additional requirements for the German major are:

 Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.

2. A period of at least one month of residency in a German-speaking country or in a German immersion program. Students may participate in a college-sponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.

+Must include 40 upper-division hours.

# Bachelor of Science in Education with a Major in German

Grades K-12 Certification
Plan A One of Two Teaching Fields

Semester Hours
Core Requirements (p. 33) 51\* 45
Computer literacy Requirement:

Educ 301 Use of Computer Software in the Classroom 3
German Requirements 33
Ger 101, 102, 203, 204 12

Students will select at least 21 hours At the 300-400 level according to the following distribution:

Language courses (300 or above)\*\* 6
Culture courses (300 or above)\*\* 6
Literature courses (300 or above)\*\* 6
Electives (300 or above)\*\* 3
Additional Requirements\*\*\*

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42

Second Teaching Field (some fields exceed 30 hrs.) 30 150-153\*\*\*\*

\*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

\*\*These courses in German must be at the 300-400 level and must be chosen in consultation with the student's adviser.

\*\*\*Additional requirements for the German major are:

- Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
- 2. A period of at least one month of residency in a German-speaking country or in a German immersion program. Students may participate in a college-sponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- Students must complete the course work designated by the department of education and must meet current Missouri state certification requirements. New requirements are under consideration and will define certification in terms of specific competencies that the student can demonstrate.

\*\*\*\*A minimum of 124 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 124.

## Bachelor of Science in Education with a Major in German Grades K-12 Certification

Plan B Single Teaching Field

Semester Hours

Core Requirements (p. 33) 51\* 45
Computer literacy Requirement:
Educ 301 Use of Computer Software
in the Classroom 3
German Requirements 33
Ger 101, 102, 203, 204 12

Students will select at least 21 hours At the 300-400 level according to the following distribution:

Language courses (300 or above)\*\* 6
Culture courses (300 or above)\*\* 6
Literature courses (300 or above)\*\* 6
Electives (300 or above)\*\* 3
Additional Requirements\*\*\*

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42 General Electives 4 124-127

\*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign lanquage fulfill Area 5 requirement.

\*\*These courses in German must be at the 300-400 level and must be chosen in consultation with the student's adviser.

\*\*\*Additional requirements for the German major are:

- 1. Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
- 2. A period of at least one month of residency in a German-speaking country or in a German immersion program. Students may participate in a college-sponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- Students must complete the course work designated by the department of education and must meet current Missouri state certification requirements. New requirements are under consideration and will define certifica-

tion in terms of specific competencies that the student can demonstrate.

## Bachelor of Arts with a Major in Spanish

Semester Hours Core Requirements (p. 33) 51\* **Computer Literacy Requirement:** Comp 105 Intro to Micro Use **Spanish Requirements** 33 Span 101 Beginning Spanish I 3 Span 102 Beginning Spanish II 3 3 Span 203 Intermediate Spanish I 3 Span 204 Intermediate Spanish II Spanish Composition Span 300 3 And Syntax Peninsular Literature from Span 326 El Cid to the present Span 336 Survey of Latin American Literature from its' beginnings to the present Span Electives in Spanish chosen with approval of Spanish adviser above the 204 level.\*\* 12

\*Three hours of foreign language fulfill Area 5 requirement of the Core Curriculum.

**Electives** 

\*\*Must include at least 40 upper-division hours.

## Bachelor of Science in Education with a Major in Spanish Grades K-12 Certification Plan A One of Two Teaching Fields

Semester Hours

124\*\*

Core Requirements (p. 33) 51\* **Computer literacy Requirement:** Educ 301 Use of Computer Software in the Classroom Spanish Requirements\*\* Span 101 Beginning Spanish I 3 Span 102 Beginning Spanish II 3 3 Span 203 Intermediate Spanish I Span 204 Intermediate Spanish II 3 Span 300 Spanish Composition and Syntax 3 Peninsular Literature from Span 326 El Cid to the present Span 336 Survey of Latin American Literature from its' beginnings

to the present 3
Span Electives in Spanish chosen with approval of Spanish adviser above the 204 level.\*\* 12

# Foreign Languages / 91

<b>Education Certification Require</b>	ments
(p. 167)	39-42
Second Teaching Field (some	
fields exceed 30 hrs.)	30
153	3-156***

\*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

\*\*A candidate for a degree under Plan A must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

\*\*\*A minimum of 124 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 124.

# Bachelor of Science in Education with a Major in Spanish Grades K-12 Certification

Grades K-12 Certification
Plan B Single Teaching Field

	Sei	mester	Hours
Core Requirements (p.	33)	51*	48
Computer Literacy Rec	uire	ment:	
Educ 301 Use of Comr	outer	Softw	aro

in the Classroom

,	Spanish F	Requirements**	3
	Span 101	Beginning Spanish I	3
	Span 102	Beginning Spanish II	3
	Span 203	Intermediate Spanish I	3
	Span 204	Intermediate Spanish II	3
	Span 300	Spanish Composition	
		and Syntax	3
	Span 326	Peninsular Literature from	n
		El Cid to the present	3
	Span 336	Survey of Latin American	1
)		Literature from its' beginn	nings
		to the present	3
	Span	Electives in Spanish cho	sen
		with approval of Spanish	
		adviser above the 204	
		level.**	15

\*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

**Education Certification Requirements** 

(p. 167)

\*\*A candidate for a degree under Plan B must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

## Minor in Chinese

A minor in Chinese requires 18 hours of courses in Chinese of which six must be upper-division.

## Minor in French

A minor in French requires 18 hours of courses in French of which six must be upper division.

### Minor in German

A minor in German requires 18 hours of courses in German of which six must be upper division.

## Minor in Japanese

A minor in Japanese requires 18 hours of courses in Japanese of which six must be upper division.

## Minor in Russian

A minor in Russian requires 18 hours of courses in Russian of which six must be upper division.

## Minor in Spanish

A minor in Spanish requires the student to complete 9 hours of approved courses at the 300 level or above in consultation with a Spanish Adviser.

## Suggested Order of Study

## Bachelor of Arts Major Code 1102 French Major

#### Freshman Year

ŀ	Hours
Beginning French I	3
Eng 101 Comp I]	3
Comm 100 Oral Comm]	3
Math 125 Cont. Math]	3
Kine 103 Lifetime Wellness	3 2
Humanities and Fine Arts]	3
College Orientation	1
	18
	Beginning French I Eng 101 Comp I] Comm 100 Oral Comm] Math 125 Cont. Math] Kine 103 Lifetime Wellness Humanities and Fine Arts]

## 2nd Semester

39-42

126-129

Zild Seillest	CI	
Fren 102	Beginning French II	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Kine 101 Physical Activity]	1
	1.	15

## Sophomore Year

1st Semester

		-
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 110 U.S. History]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3
	1	6
2nd Semeste	er	
Fren 204	Intermediate French II	3
CORE	[Psy 100 or Soc 110]	3
Comp 105	Intro to Micro Use	3
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Syst	3

Fren 203 Intermediate French I

#### Junior Year

0411101 104		
1st Semest	er	
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
Electives*		6
		15

#### 2nd Semester

zna seme	ester	
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3

Arrange for oral and written proficiency tests in French. Plan for residency requirement in French language.

language.	
Electives*	6
	15

#### Senior Year 1st Semester

13t Delliest	C1	
Fren	[General elective 300 or	
	above]	3
Electives*		12
		15

## 2nd Semester

1st Semesti	er	
Fren	[General elective 300 or	
	above]	3
Electives*		12
		15

\*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

[Department Recommendations]

For additional information contact:

Dr. Maryann Weber Office: Webster Hall 358 Phone: 417.625.3107

E-mail: weber-m@mail.mssc.edu

<b>Bachelor of Science in Education</b>
Major Code 0858
French Major (Plan A)
Grades K-12 Certification
One of Two Teaching Fields

Freshman Year	Fres	nman	Year
---------------	------	------	------

1st Semeste	r	
Fren 101	Beginning French I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness	] 2
Psy 120	College Orientation	1
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
,		19

2na	Semes	ter
	400	

Zilu Seilleste		
Fren 102	Beginning French II	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
Elective*	Second Teaching Field	6
		19

#### Sophomore Year

1st Semester

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get a faculty recommendation, write autobiography, and file admission papers for tentative admission.

Fren 203	Intermediate French I	3
Educ 200	Intro to Tchr Educ II	1
CORE	[Humanities and Fine Arts]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	c]3
CORE	[Phys 100 Fund of Phys Sci	5 [
Educ 302	Exceptional Child	2
Elective*	Second Teaching Field	4
		21

## 2nd Semester

Zilu Seilleste	71	
Fren 204	Intermediate French II	3
Educ 301	Use of Computer Software	
	in the Classroom	3
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
Psy 305	Child/Adolescent Dev	4
Elective*	Second Teaching Field	3
		20

#### **Junior Year**

Pass media competencies.

If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

## 1st Semester

Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above)	3
Educ 321	Microteaching	2
Educ 329	Ped Theo, Meth & Prac	4

Educ 423 Elective*	Classroom Management Second Teaching Field	2 3 <b>20</b>	CORE Psy 120 Educ 100	[Kine 103 Lifetime Wellness College Orientation Intro to Tchr Educ I	1 1 1
2nd Semest	er				
Fren	[Elective in language 300		2nd Semeste	er	
1 1011	or abovel	3	Fren 102	Beginning French II	3
Fren	[Elective in culture 300		Psv 100	General Psychology	3
riell	or above	3	CORE	[Eng 102 Comp II]	3
From	[Elective in literature 300	0	CORE	[Humanities and Fine Arts]	3
Fren	or above	3	CORE	[Hist 110 U.S. History]	3
Arrango for	oral and written proficiency	0	CORE	[Kine 101 Physical Activity]	1
Arrange for	for residency requirement in	Franch	001.12	į	16
French. Pla	n for residency requirement in	riench			
language.					
Psy 310	Educational Psychology	3	Sophomore	Year	

18

## Senior Year

Electives\*

Apply for student teaching during the second week of the semester. All course work must be completed except for Professional Semester courses. 1st Semester

Second Teaching Field

Fren	[General elective 300 or	
	above]	6
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ S	ys] 3
Educ 412	or Educ 420** or Psy 41	2 2-3
Educ 422	Content Area Literacy:	
	Secondary (WI)	2
Electives*	Second Teaching Field	3
		19-20

#### 2nd Semester

Educ 345	Tchng For Lang K-12	2
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 464	Student Teaching	8
	3	14

\*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

\*\*Must be taken prior to the student teaching semester.

## [Department Recommendations]

For additional information contact: Dr. Maryann Weber Office: Webster Hall 358 Phone: 417.625.3107 E-mail: weber-m@mail.mssc.edu

## **Bachelor of Science in Education** Major Code 0858

French Major (Plan B) **Grades K-12 Certification** Single Teaching Field

### Freshman Year

1st Semeste	er	
Fren 101	Beginning French I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3

1st Semester

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get a faculty recommendation, write autobiography, and file admission papers for tentative admission.

Fren 203	Intermediate French I	3
Educ 200	Intro to Tchr Educ II	1
CORE	[Humanities and Fine Arts]	3
CORE	[PSc 120 Gov't:U.S./Sta/Lo	c]3
CORE	[Phys 100 Fund of Phys Sc	i] 5
Educ 302	Exceptional Child	2
		17

#### 2nd Semester

Fren 204	Intermediate French II	3
Educ 301	Use of Computer Software	
	in the Classroom	3
Psy 305	Child/Adolescent Dev	4
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
		17

## Junior Year

Pass media competencies.

If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

15t Sellieste		
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
Educ 321	Microteaching	2
Educ 329	Ped Theo, Meth & Prac	4
Educ 423	Classroom Management	2
		17

## 2nd Semester

Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
A 4		toote

Arrange for oral and written proficiency tests in French. Plan for residency requirement in French language.

Psy 310	Educational Psychology	3
,		12

# Foreign Languages / 93

Senior Year	ır		2nd Semes	ter		Doobala	of Solomon in E 1
	udent teaching during the seco	nd week	Ger 204	Intermediate German II	2		r of Science in Education
	ester. All course work must b		CORE		3	Major Co	
	pt for Professional Semester o			[Psy 100 or Soc 110]	3	German	Major (Plan A)
		ourses.	Comp 105	Intro to Micro Use	3		(-12 Certification
1st Semest			CORE	[Hist 320 U.S. History]	3		wo Teaching Fields
Fren	[General elective 300 or		CORE	[Econ 180 Amer Econ Sys		Offic Of I	wo readiling rields
CORE	above]	6			15	Freshman	Vear
	[Hist 320 U.S. History]	3				1st Semes	
CORE	[Econ 180 Amer Econ Sys]		Junior Year				
Educ 412	or Educ 420** or Psy 412	2-3	1st Semeste			Ger 101	Beginning German I
Educ 422	Content Area Literacy:		Ger	[Elective in language 300		CORE	[Eng 101 Comp I]
	Secondary (WI)	2		or above]	3	CORE	[Comm 100 Oral Comm]
	16	6-17	Ger	[Elective in culture 300		CORE	[Math 125 Cont. Math]
				or above]	3	CORE	[Kine 103 Lifetime Wellness
2nd Semes			Ger	[Elective in literature 300		Psy 120	College Orientation
Educ 345	Tchng For Lang K-12	2		or above]	3	Educ 100	Intro to Tchr Educ I
Educ 402	Foundations of Educ (WI)	2	Electives*		6	Psy 100	General Psychology
Educ 432	Critical Issue in Educ	2			15		
Educ 464	Student Teaching	8					
	9	14	2nd Semest	er		2nd Semes	ster
			Ger	[Elective in language 300		Ger 102	Beginning German II
*Electives s	hould be chosen in consultati	on with		or above)	3	CORE	[Eng 102 Comp II]
the student	s major adviser and with the	advice	Ger	[Elective in culture 300	3	CORE	[Humanities and Fine Arts]
	member in a minor field of s		dei		0	CORE	[Hist 110 U.S. History]
one is chose		study, II	Cox	or above]	3	CORE	[Kine 101 Physical Activity]
		ina	Ger	[Elective in literature 300		Elective*	Second Teaching Field
	ken prior to the student teach	ing se-	4	or above]	3	FIGURAG	Second readming Field
mester.				oral and written proficiency			
	_		German. Pla	an for residency requiremen	t in Ger-	Combi	- V
Departmen	t Recommendations]		man languag	ge.		Sophomor	
			Electives*		6	1st Semest	
For additio	nal information contact:				15		se test for admission.
Dr. Maryar						Verify that	ACT score is 20+. Have a 2.5 (
	bster Hall 358		Senior Year			the teachin	g specialty area and a 2.75 cu
			1st Semeste			tive GPA.	Get a faculty recommendation
	7.625.3107		Ger	[General elective 300 or			ohy, and file admission papers f
E-mail: we	ber-m@mail.mssc.edu		dei	above)	2	tative admi	
			Electives*	abovej	3	Ger 203	Intermediate German I
			Electives*		12	Educ 200	Intro to Tchr Educ II
					15	CORE	[Humanities and Fine Arts]
Bachalar	of Arto						
Major Code	e 1103		2nd Semeste			CORE	[PSc 120 Gov't:U.S./Sta/Loc
Major Code	e 1103		2nd Semeste Ger	er [General elective 300 or		CORE	[Phys 100 Fund of Phys Sci
Major Code	e 1103				3	CORE CORE Educ 302	[Phys 100 Fund of Phys Sci Exceptional Child
Major Code German M	e 1103 lajor			[General elective 300 or		CORE	[Phys 100 Fund of Phys Sci
Major Code German M Freshman	e 1103 lajor ⁄ear		Ger	[General elective 300 or	12	CORE CORE Educ 302	[Phys 100 Fund of Phys Sci Exceptional Child
Major Code German M Freshman N Ist Semeste	e 1103 lajor 'ear	2	Ger	[General elective 300 or		CORE CORE Educ 302	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field
Major Code German M Freshman N Ist Semeste Ger 101	e 1103 lajor /ear er Beginning German I	3	Ger Electives*	[General elective 300 or above]	12 <b>15</b>	CORE CORE Educ 302	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field
Major Code German M Freshman N Ist Semeste Ger 101 CORE	e 1103 ajor  /ear Beginning German I [Eng 101 Comp I]	3	Ger Electives* *Electives sh	[General elective 300 or above] ould be chosen in consultat	12 <b>15</b> ion with	CORE CORE Educ 302 Elective*	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field
Major Code German M Freshman N 1st Semeste Ger 101 CORE CORE	e 1103 lajor  /ear ler Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm]	3	Ger Electives*  *Electives sh the student's	[General elective 300 or above] ould be chosen in consultat major adviser and with the	12 15 ion with	CORE CORE Educ 302 Elective*	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II
Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE	e 1103 lajor  /ear ler Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math]	3 3 3	Ger Electives*  *Electives sh the student's of a faculty r	[General elective 300 or above] ould be chosen in consultat major adviser and with the nember in a minor field of second consultations.	12 15 ion with	CORE CORE Educ 302 Elective*	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software
Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness	3 3 3	Ger Electives*  *Electives sh the student's	[General elective 300 or above] ould be chosen in consultat major adviser and with the nember in a minor field of second consultations.	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software in the Classroom
Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear ler Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math]	3 3 3	Ger Electives*  *Electives sh the student's of a faculty r one is chose	[General elective 300 or above] ould be chosen in consultat major adviser and with the nember in a minor field of an.	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts]
Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness	3 3 3 5] 2	Ger Electives*  *Electives sh the student's of a faculty r one is chose	[General elective 300 or above] ould be chosen in consultat major adviser and with the nember in a minor field of second consultations.	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology]
Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation	3 3 3 3 3 3	Ger Electives*  *Electives sh the student's of a faculty r one is chose	[General elective 300 or above] ould be chosen in consultat major adviser and with the nember in a minor field of an.	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev
Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation	3 3 3 3 3 1	Ger Electives*  *Electives sh the student's of a faculty r one is chose [Department	[General elective 300 or above] ould be chosen in consultat major adviser and with the nember in a minor field of an.	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev Second Teaching Field
Bachelor of Major Code German Months Semester 101 CORE CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation	3 3 3 3 3 1	Ger Electives*  *Electives sh the student's of a faculty r one is chose  [Department For addition	[General elective 300 or above]  ould be chosen in consultat major adviser and with the nember in a minor field of an.  Recommendations]	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev
Major Code German M Freshman N 1st Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation	3 3 3 5] 2 3 1 18	Ger Electives*  *Electives sh the student's of a faculty r one is chose  [Department For addition Dr. Sabine 6	[General elective 300 or above]  ould be chosen in consultat major adviser and with the nember in a minor field of an.  Recommendations]  nal information contact: Cramer	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305 Elective*	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field  ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev Second Teaching Field
Major Code German M Freshman N Ist Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation  er Beginning German II	3 3 3 5] 2 3 1 18	Ger Electives*  *Electives sh the student's of a faculty r one is chose  [Department For addition Dr. Sabine of Office: Web	[General elective 300 or above]  ould be chosen in consultat major adviser and with the nember in a minor field of an.  Recommendations]  nal information contact: Cramer ster Hall 363	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305 Elective*  Junior Yea	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field  ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev Second Teaching Field
Major Code German M Freshman N Ist Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation  er Beginning German II [Eng 102 Comp II]	3 3 3 3 1 2 3 1 18	Ger Electives*  *Electives sh the student's of a faculty r one is chose  [Department For addition Dr. Sabine of Office: Web Phone: 417	[General elective 300 or above]  ould be chosen in consultate major adviser and with the nember in a minor field of an.  Recommendations]  nal information contact:  Cramer ster Hall 363 .625.9649	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305 Elective*  Junior Yea Pass media	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field  ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev Second Teaching Field  r a competencies.
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Major Code German M Freshman N Ist Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation  er Beginning German II [Eng 102 Comp II] [Humanities and Fine Arts] [Phys 100 Fund of Phys Sci [Kine 101 Physical Activity]  Year  r Intermediate German I	3 3 3 3 1 18 18 3 3 5 1 15	Ger Electives*  *Electives sh the student's of a faculty r one is chose  [Department For addition Dr. Sabine of Office: Web Phone: 417	[General elective 300 or above]  ould be chosen in consultate major adviser and with the nember in a minor field of an.  Recommendations]  nal information contact:  Cramer ster Hall 363 .625.9649	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305 Elective*  Junior Yea Pass media If recomment by the teach mission to to 1st Semeste Ger  Ger	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field  ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev Second Teaching Field  r a competencies. Inded by Junior Block instructors are education faculty, receive for eacher education. er [Elective in language 300 or above] [Elective in culture 300 or above]
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Major Code German M Freshman N st Semeste Ger 101 CORE CORE CORE CORE CORE CORE CORE CORE	e 1103 lajor  /ear Beginning German I [Eng 101 Comp I] [Comm 100 Oral Comm] [Math 125 Cont. Math] [Kine 103 Lifetime Wellness [Humanities and Fine Arts] College Orientation  er Beginning German II [Eng 102 Comp II] [Humanities and Fine Arts] [Phys 100 Fund of Phys Sci [Kine 101 Physical Activity]  Year  r Intermediate German I [Humanities and Fine Arts]	3 3 3 1 1 18 3 3 3 5 1 1 15	Ger Electives*  *Electives sh the student's of a faculty r one is chose  [Department For addition Dr. Sabine of Office: Web Phone: 417	[General elective 300 or above]  ould be chosen in consultate major adviser and with the nember in a minor field of an.  Recommendations]  nal information contact:  Cramer ster Hall 363 .625.9649	12 15 ion with	CORE CORE Educ 302 Elective*  2nd Semes Ger 204 Educ 301  CORE CORE Psy 305 Elective*  Junior Yea Pass media If recomment by the teach mission to to 1st Semeste Ger  Ger	[Phys 100 Fund of Phys Sci Exceptional Child Second Teaching Field  ter Intermediate German II Use of Computer Software in the Classroom [Humanities and Fine Arts] [Bio 101 General Biology] Child/Adolescent Dev Second Teaching Field  r a competencies. Inded by Junior Block instructors iner education faculty, receive for eacher education. er [Elective in language 300 or above] [Elective in culture 300 or above] [Elective in literature 300

Educ 423	Classroom Management	2
Elective*	Second Teaching Field	3
		20
2nd Semest	er	
Ger	[Elective in language 300	
	or above]	3
Ger	[Elective in culture 300	
	or above]	3
Ger	[Elective in literature 300	
	or above]	3
	oral and written proficiency	
German. Pl.	an for residency requirement	t in Ger-
man langua	ge.	
Psy 310	Educational Psychology	3
Electives*	Second Teaching Field	6
		18

## Senior Year

Apply for student teaching during the second week of the semester. All course work must be completed except for Professional Semester courses. 1st Semester

Ger	[General elective 300 or	
	above]	6
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Sy	
Educ 412	or Educ 420** or Psy 412	2-3
Educ 422	Content Area Literacy:	
	Secondary (WI)	2
Electives*	Second Teaching Field	3
		19-20

## 2nd Semester

Educ 345	Tchng For Lang K-12	2
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 464	Student Teaching	8
2000 101	Student reasting	14

\*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

\*\*Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Dr. Sabine Cramer Office: Webster Hall 363 Phone: 417.625.9649

E-mail: cramer-s@mail.mssc.edu

**Bachelor of Science in Education** Major Code 0859 German Major (Plan B)

**Grades K-12 Certification** Single Teaching Field

## Freshman Year

1	st	Se	m	e	st	е	r
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13t Octifies	tor	
Ger 101	Beginning German I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3

CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness	] 2
Psv 120	College Orientation	1
Educ 100	Intro to Tchr Educ I	1
		16
2nd Semeste	r	
Ger 102	Beginning German II	3
Psy 100	General Psychology	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
	. , , , , , , , , , , , , , , , , , , ,	16

## Sophomore Year

1st Semester

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get a faculty recommendation, write autobiography, and file admission papers for tentative admission.

Ger 203	Intermediate German I	3	
Educ 200	Intro to Tchr Educ II	1	
CORE	[Humanities and Fine Arts]	3	
CORE	[PSc 120 Gov't:U.S./Sta/Lo	c]3	
CORE	[Phys 100 Fund of Phys So	i] 5	
Educ 302	Exceptional Child	2	
		17	
2nd Semes	ter		
Ger 204	Intermediate German II	3	

Zilu Semesie	71	
Ger 204	Intermediate German II	3
Educ 301	Use of Computer Software	
	in the Classroom	3
Psy 305	Child/Adolescent	4
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
		17

#### Junior Year

Pass media competencies.

If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

#### 1st Semester

Ger	[Elective in language 300	
	or above]	3
Ger	[Elective in culture 300	
	or above]	3
Ger	[Elective in literature 300	
	or above]	3
Educ 321	Microteaching	2
Educ 329	Ped Theo, Meth & Prac	4
Educ 423	Classroom Management	2
	-	17

2nd Sem	ester	
Ger	[Elective in language 300	
	or above]	3
Ger	[Elective in culture 300	
	or above]	3
Ger	[Elective in literature 300	
	or above]	3
Arrange	for oral and written proficiency	tests
Carman	Plan for regidency requirement	in G

German. Plan for residency requirement in German language. Educational Psychology 3 Psy 310

#### Senior Year

Apply for student teaching during the second week of the semester. All course work must be completed except for Professional Semester courses. 1st Semester

Ger	[General elective 300 or
	above] 6
CORE	[Hist 320 U.S. History] 3
CORE	[Econ 180 Amer Econ Sys] 3
Educ 412	or Educ 420** or Psy 412 2-3
Educ 422	Content Area Literacy:
	Secondary (WI) 2
	16-17

#### 2nd Semester

	•	
Educ 345	Tchng For Lang K-12	2
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 464	Student Teaching	8
		14

\*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

\*\*Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Dr. Sabine Cramer Office: Webster Hall 363

Phone: 417.625.9649 E-mail: cramer-s@mail.mssc.edu

## **Bachelor of Arts** Major Code 1105 Spanish Major

## Freshman Year

1st Semeste	r	
Span 101	Beginning Spanish I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness	3] 2
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
•		18

2nd Semeste	er	
Span 102	Beginning Spanish II	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Kine 101 Physical Activity]	1

#### Sophomore Year

Sopriomore	roui	
1st Semeste	r	
Span 203	Intermediate Spanish I	3
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 110 U.S. History]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	2]3
		16

# Foreign Languages / 95

Junior Year 1st Samesater Span 300 Spanish Comp & Syntax Electives*  2span 302 Spanish Elective Elective Elective Electives  2span 302 Spanish Elective							ruid	ayıı Lanyuaycə	95
Span 204 Intermediate Spanish II   Span 102   Beginning Spanish II   Span 102   Beginning Spanish II   Span 105   Span 102   Span 103   Span 102   Span 104   Span 205   Span 105   Span 10	2nd Semest	er		2nd Seme	ster		2nd Come	ator.	
CORPE   [Psy 100 to Soc 110]   3   Psy 100   General Psychology   3   Educ 432   Cofficial Issue in Educ 434   Cofficial Iss			3			2			
CORPE		[Psv 100 or Soc 110]						( )	2
CORE   Hist 320 U.S. History    5 CORE   Elective'   Elective'   Elective'   Elective'   Elective'   Elective'   Second Teaching Field   5 CORE   Elective'   Second Teaching Field   5 Elective'   Second Teaching Field   5 Elective'   Second Teaching Field   6									2
Junior Year   15   Second Teaching Field   5   Second Teaching Field   5   Second Teaching Field   5   Second Teaching Field   5   Second Teaching Field   6   Second Teaching Field   7   Second Te							Educ 345	Tchng For Lang K-12	2
Junior Year  1st Semester Span 300 Spanish Comp & Syntax Electives*  Span 300 Spanish Comp & Syntax Electives*  15 Sophomore Year 1st Semester Span 300 Spanish Comp & Syntax Electives*  15 Sophomore Year 1st Semester Span 300 Spanish Comp & Syntax Electives*  15 Sophomore Year 1st Semester Span 36 Span Electives*  15 Sophomore Year 1st Semester Span 36 Span Electives*  15 Sophomore Year 1st Semester Span 36 Span Span Ispanish elective) Span 38 Survey of Latin Span 38 Survey of Latin Span 38 Survey of Latin American Literature Span 38 Survey of Latin Span Span Spanish elective) Span 38 Survey of Latin Span Span Spanish elective) Span 39 Span 3		[HIST 320 U.S. HISTORY]					Educ 464	Student Teaching	8
Junior Yar  1st Samester Span 300 Spanish Comp & Syntax 2 1st Samester Span 320 Pornisular Literature 15 Pass C-Base Test. Apply for admission to teacher education. Span 320 Pornisular Literature 15 Pass C-Base Test. Apply for admission to teacher education. Span 320 Pornisular Literature 15 Pass C-Base Test. Apply for admission to teacher education. Span 330 Survey of Latin American Literature 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pass C-Base Test. Apply for admission to teacher education. Span (Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pass C-Base Test. Apply for admission to teacher education. Span (Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pay 305 Chief Mark Spanish 1 Spanish elective) 15 Pass Mark Spanish elective) 16 Pass Mark Spanish elective) 17 Pass Mark Spanish Pass Spanish Mark Spanish 1 Spanish elective) 18 Pass Mark Spanish Pass Spanish Mark Spanish I Spanish elective) 19 Corre Electives Spanish Mark Spanish I Spanish Mark Spanish I Spanish Mark Spanish Mark Spanish I Spanish Mark S	CORE	[Econ 180 Amer Econ Sys			[Humanities and Fine Arts]	] 3			14
Junior Year 1st Semester Spanish Comp & Syntax 12 Sams Spanish Comp & Syntax 15 Spanish Spanish Spanish Comp & Syntax 15 Spanish Spanis			15	CORE	[Hist 110 U.S. History]	3			
Junior Year  Ist Semester Span 300 Spanish Comp & Syntax Span 300 Span Electives Span 302 Span [Spanish elective] Span 305 Span [Spanish elective] Span 306 Span				Elective*	Second Teaching Field		*Flectives	should be chosen in consultati	on with
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Educ 329 Ped Theo, Meth & Prac 4 Educ 100 Intro to Tchr Educ 1  Department Recommendations]  For additional information contact:  Dr. J. R. Moorman  Office: Webster Hall 362  Phone: 417.625.3105  E-mail: moorman-j@mail.mssc.edu  Bachelor of Science in Education  Major Code 0847  Span Span Spanish Bajor (Plan A)  Grades K-12 Certification  One of Two Teaching Fields  Feshman Year st Semester  Scones [Eng 101 Comp I]  CORE [Eng 102 Comp I]  Electives Second Teaching Field Second Te	of a faculty m	nember in a minor field of s	tudy if	Opan 330		0	CORE		
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For additional information contact:  Or. J. R. Moorman  Office: Webster Hall 362  Phone: 417.625.3105  E-mail: moorman-j@mail.mssc.edu  Paparish Major (Plan A)  Sarades K-12 Certification  One of Two Teaching Fields  Semester  pan 101  Beginning Spanish I  Second Teaching Field  Span Span Span Span Span Span Span Span				Educ 321	Microteaching	2	Lauc 100	IIIIO to TCIII Educ I	10
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competencies.

1st Semester

0 000	Spanish Comp & Syntax	3
Span 300		3
Span 336	Survey of Latin	
	American Literature	3
Educ 329	Ped Theo, Meth & Prac	4
Educ 321	Microteaching	2
Educ 301	Use of Computer Software	3
	in the Classroom	
Educ 423	Classroom Management	2

2nd Semes	ter	
Span 326	Peninsular Literature	
	from El Cid to the Present	3
Span	[Spanish elective]	3
Span	[Spanish elective]	3
Span	[Spanish elective]	3
Educ 422	Content Area Literacy:	
	Secondary (WI)	2
		14

#### Senior Year

Apply for student teaching. All course work must be completed except for Professional Semester courses.

1st Semester

Span	[Spanish elective]	3
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 412	or Educ 420* or Psy 412 2-	-3
	14-1	5

2nd Semester

Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 345	Tchng For Lang K-12	2
Educ 464	Student Teaching	8
		14

All courses should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

\*Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Dr. J. R. Moorman Office: Webster Hall 362 Phone: 417.625.3105

E-mail: moorman-j@mail.mssc.edu

# Course Descriptions

## Arabic (Ara)

3 hrs. cr. Ara 101 (Demand) Beginning Arabic I

Fundamental elements of modern standard Arabic. Basic sentence patterns and grammar.

Ara 102 (Demand) **Beginning Arabic II** 

A continuation of 101. Further introduction to the basic skills of listening to and speaking the Arabic language. Prerequisite: Ara 101.

Ara 203 (Demand)

3 hrs. cr.

Intermediate Arabic I

Systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Ara 102.

Ara 204 (Demand)

3 hrs. cr.

3 hrs. cr.

Intermediate Arabic II

Continuation of 203. Further systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Arabic 203.

Ara 298 (Demand)

1-3 hrs. cr.

Selected Topics in Arabic

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Ara 498 (Demand)

1-3 hrs. cr.

Special Topics in Arabic

For upper-division students. Topics to be announced each time the course is offered.

Ara 499 (Demand)

Independent Study

Individually directed study in Arabic. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

## Chinese (Chi)

Chi 100 (Demand)

1 hr. cr.

**Introductory Chinese** 

Introductory course which will acquaint students with Chinese customs, culture, social behaviors, pinyin (Chinese Phonetic Alphabet) and Romanization. The course which will be primarily taught in English will mainly focus on spoken Chinese and written symbol basics such as radicals. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Chi 101 (F)

Beginning Chinese I (Mandarin)

Pronunciation, grammar, elementary conversation, development of basic communicative skills.

3 hrs. cr.

Beginning Chinese II (Mandarin)

A continuation of 101. Pronunciation, grammar, elementary conversation. Prerequisite: Chi 101.

Chi 203 (F)

3 hrs. cr.

Intermediate Chinese I (Mandarin)

Systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 102.

Chi 204 (S)

3 hrs. cr.

Intermediate Chinese II (Mandarin)

A continuation of Chinese 203. Further systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/ oral skills. Prerequisite: Chi 203.

Chi 298 (Demand)

1-3 hrs. cr.

Selected Topics in Chinese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Chi 305 (Demand)

3 hrs. cr.

Readings & Conversation I

Continued development of language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Chi 204 or equivalent level of proficiency.

Chi 306 (Demand)

3 hrs. cr.

Readings & Conversation II

Continuation of Chinese 305. Continued development of the four basic language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Chi 305 or equivalent level of proficiency.

Chi 498 (Demand)

1-3 hrs. cr.

Special Topics in Chinese

For upper-division students. Topics to be announced each time the course is offered.

Chi 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Chinese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

## French (Fren)

Fren 101 (F)

3 hrs. cr.

Beginning French I

The first semester of French language instruc-

tion developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures.

Fren 102 (S)

3 hrs. cr.

Beginning French II

The second semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an intro-

# Foreign Languages / 97

duction to the study of French-speaking cultures. Prerequisite: Fren 101 or equivalent level of proficiency.

Fren 203 (F)

3 hrs. cr.

## Intermediate French I

The third semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 102 or equivalent level of proficiency.

Fren 204 (S)

3 hrs. cr.

#### Intermediate French II

The fourth semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 203 or equivalent level of proficiency.

Fren 250

6 hrs. cr.

## French Conversation and Grammar

Intensive practice of basic French vocabulary and structures is combined with visits to sites of cultural or historical interest in the Orléans area. Students will have daily classes in grammar and conversation, supplemented by language lab practice and workshop of their choice. Prerequisite: Fren 102 or the equivalent and a placement test.

Fren 298 (Demand)

1-8 hrs. cr.

## Selected Topics in French

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 301 (Demand)

3 hrs. cr.

## **Readings & Conversation**

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 302 (Demand)

3 hrs. cr.

# Contemporary French Culture and Civilization

Continued development of language skills (listening, speaking, reading, writing). Contemporary France, the daily life of its people, the social and economic institutions which impact them, and the arts and media will be the focus for reading and discussion. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 303 (Demand)

3 hrs. cr.

French Composition (Writing Intensive)
Practice in writing French accompanied by a
study of grammar and syntax. Prerequisite: Fren
204 or equivalent level of proficiency.

Fren 304 (Demand)

3 hrs. cr.

#### Introduction to French

Literature

**Literature** (Writing Intensive)
This course is an introduction to basic concepts
and terminology of literary criticism through sev-

eral different critical approaches to the literary text. Reading and discussion of selected poems, plays, and fiction representing various literary periods. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 305 (Demand)

3 hrs. cr.

## Contemporary Francophone Cultures

Analysis of contemporary life in selected Frenchspeaking regions: Qu+bec, S+n+gal, and Guadeloupe and Martinique. Students will continue to develop their French language skills. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 306 (Demand)

3 hrs. cr.

#### French Culture and Civilization

The course will continue the development of the four basic language skills (listening, speaking, reading, and writing). The thematic focus of the class will be the historical, political, social, and cultural development of France from its origins to the 20th century. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 322 (Demand)

3 hrs. cr.

## Twentieth-Century French Literature

Reading and discussion of twentieth-century literature from France and the Francophone world. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 324 (Demand)

3 hrs. cr.

#### French Theater Studies

Reading and discussion of French plays from different historical and literary periods; practical experience in the classroom reader's theater. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 325 (Demand)

3 hrs. cr.

#### French Cinema

A survey of the most important aspects of cinematography and cinematographic production in France. Covers major figures in the field of film and an introduction to the major movements. Taught in French with readings both in French and English. Prerequisite: Fren 204 or the equivalent level of proficiency.

Fren 326 (Demand)

3 hrs. cr.

## French and the Media

This course will explore the French media (particularly print journalism, television, radio, and the Internet); emphasis is placed on cultural similarities and differences between French and American media and on developing language proficiency related to the media. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 345 (Demand)

1-8 hrs. cr.

## Internship in French

Off-campus work experience in areas related to professional goals of students. For advanced students in French. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A stu-

dent may repeat the course to a maximum of 8 hours credit. Prerequisite: A minimum of 18 hours in French with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Fren 350 (Demand)

6 hrs. cr.

## Language and Civilization

Intensive development of all language skills (listening, speaking, reading, writing) is combined with visits to sites of cultural or historical interest in Orléans and the surrounding château region. Cultural and literary topics are introduced. Weekend excursions will include Paris, Annecy, and Strasbourg. Prerequisite: Fren 203 or equivalent level of proficiency. A placement test required.

Fren 400 (Demand)

3 hrs. cr.

### French for Business

An introduction to French business terminology, concepts, situations, and procedures. Oral and written activities will continue to develop French language skills within a commercial context. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 401 (Demand)

3 hrs. cr.

## French Literature to 1700

An introduction to French literature from the Medieval Period through the seventeenth century, with emphasis on the development of forms and genres. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 403 (Demand)

3 hrs. cr.

## Nineteenth-Century French Literature

Reading and discussion of selected works of some of the major poets, novelists, and playwrights of nineteenth-century France; the interrelatedness of history, literature, and the fine arts: emphasis on Romanticism, Realism, and Symbolism. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 404 (Demand)

3 hrs. cr.

## French Women Writers

The course will focus on the reading and discussion of works by selected French and francophone women authors from the twelfth through the twentieth centuries. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 405 (Demand)

3 hrs. cr.

## Francophone Literature

An introduction to twentieth-century Francophone literature of Africa, Québec, and the Antilles. continued practice in developing the language skills (listening, speaking, reading, writing). Prerequisite: Fren 204 or the equivalent level of proficiency.

Fren 498 (Demand)

1-8 hrs. cr.

## Special Topics in French

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 499 (Demand)

Independent Study

Individually directed study in French. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

## German (Ger)

Ger 101 (F)

3 hrs. cr.

**Beginning German I** 

An introduction to the basic skills of understanding, speaking, reading and writing in German and to the study of the German speaking cultures.

Ger 102 (S)

Beginning German II

A continuation of Ger 101. Emphasis on the skills of understanding, speaking and writing in German and on the study of the German speaking cultures. Prerequisite: Ger 101 or the equivalent level of proficiency.

Ger 203 (F)

3 hrs. cr.

Intermediate German I

A continuation of Ger 102. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures at the intermediate level. Prerequisite: Ger 102 or the equivalent level of proficiency.

Ger 204 (S)

3 hrs. cr.

Intermediate German II

A continuation of Ger 203. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures, continuing at the intermediate level. Prerequisite: Ger 203 or the equivalent level of proficiency.

Ger 298 (Demand)

1-8 hrs. cr.

Selected Topics in German

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 301 (F)

3 hrs. cr.

**Readings & Conversation** 

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 302 (Demand)

3 hrs. cr.

Readings in Literature and Culture

Continued development of the four basic language skills in the target language through readings and conversation in culture and literature. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 305 (Demand)

**Business German** 

Gain solid knowledge of basic business German vocabulary including topics such as: finances, European Union, traffic and transportation, business correspondence, job application, tourism, consumer (taxes), social structure, industry and work environment, trade, and environmental issues. Samples of International Business German conclude the course. Prerequisite: German 204 or equivalent level of proficiency.

Ger 306 (Demand)

3 hrs. cr.

3 hrs. cr.

German History and Civilization

Student will continue the development of the four basic language skills (listening, speaking, reading, writing). The thematic focus of this class will be the historical, political, social, and cultural development of Germany (and in part also Austria) from its origins to the 20th century. The class will be taught exclusively in the target language. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 345 (Demand)

1-8 hrs. cr.

Internship in German

Off-campus work experience in areas related to professional goals of students. For advanced students in German. Students must make application for the program during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in German with a minimum 3.0 GPA.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Ger 401 (Demand)

3 hrs. cr.

German Music, Literature, and Art

Literature, music and art mirror historical development, social restructuring, political presence, and allow a glimpse into German culture. The course focuses on the interrelationship among the arts from the end of the 19th century to the 1930s. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 415 (Demand)

3 hrs. cr.

German Literature to 1500

As an introduction to early German literature of the eras of pre-Christian Germanic literature, the first Germanic bible translations, and Old High Germanic literature German epic literature from the Middle High German period, as well as courtly poetry, are included in this course with an emphasis on the change of literary forms in light of societal restructuring. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 416 (Demand)

3 hrs. cr.

German Literature 1500 - 1800

The three centuries comprehend German literature from the German Renaissance to the Sturm und Drang period, including Reformation, Barock and Enlightenment. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 417 (Demand)

3 hrs. cr.

German Literature: 19th Century

The Weimarer Klassik with Goethe and Schiller, German Early Romanticism, the Biedermeier period, Realism and Naturalism form the basis for the topics of this course. Prerequisite: Ger 204 or equivalent level of proficiency; approval by instructor.

Ger 418 (Demand)

3 hrs. cr.

German Literature: 20th Century

Early 20th Century literature, marked by the influence of Friedrich Nietzsche and Sigmund Freud, embraces interdisciplinarity, especially in the era before World War II, Expressionism. Post World War II literature constitutes the second half of the semester. Prerequisites: Ger 204 or equivalent level of proficiency; approval by instructor.

Ger 498 (Demand)

1-8 hrs. cr.

Special Topics in German

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering

Ger 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in German. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

# Japanese (Jpn)

Jpn 100 (Demand)

1 hr. cr.

Introductory Japanese

Introductory course which will acquaint students with Japanese alphabet, customs, culture and social behaviors. Focus on spoken Japanese and Japanese written alphabet. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Jpn 101 (F)

3 hrs. cr.

Beginning Japanese I

Pronunciation, conversation and grammar. Aural/oral drill.

Jpn 102 (S)

3 hrs. cr.

Beginning Japanese II

Continuation of Japanese 101. Additional work in pronunciation, conversation and grammar. Aural/oral drill. Prerequisite: Jpn 101.

# Foreign Languages / 99

Jpn 203 (F)

3 hrs. cr.

Intermediate Japanese I

Grammar review and continued aural/oral practice. Prerequisite: Jpn 102.

Jpn 204 (S)

3 hrs. cr.

Intermediate Japanese II

Continuation of Japanese 203 with additional grammar review and continued aural/oral practice. Prerequisite: Jpn 203.

Jpn 298 (Demand)

Selected Topics in Japanese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Jpn 305 (Demand)

3 hrs. cr.

1-3 hrs. cr.

Advanced Japanese I

First half of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana, and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: Jpn 204 or placement test.

Jpn 306 (Demand)

3 hrs. cr.

Advanced Japanese II

Conclusion of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana, and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: Jpn 305 or placement test.

Jpn 498 (Demand)

1-3 hrs. cr.

Special Topics in Japanese

For upper-division students. Topics to be announced each time the course is offered.

Jpn 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Japanese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

## Russian (Rus)

Rus 101 (F, S)

3 hrs. cr.

Beginning Russian I

Emphasis on the basic communicative skills of listening, speaking, reading and writing the Russian language. Structural grammar and basic vocabulary.

Rus 102 (F, S)

3 hrs. cr.

Beginning Russian II

A continuation of Rus 101. Further introduction to the basic skills of listening to, speaking, reading and writing the Russian language. Prerequisite: Rus 101 or equivalent level of proficiency.

Rus 103 (Demand)

6 hrs. cr.

**Accelerated Russian for Business** 

An intensive overview of Russian language for beginners, developing working proficiency in listening, speaking, reading, and writing in the area of business.

Rus 203 (F, S)

3 hrs. cr.

Intermediate Russian I

Systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 102 or equivalent level of proficiency.

Rus 204 (F, S)

3 hrs. cr.

Intermediate Russian II

A continuation of Rus 203. Further systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 203 or equivalent level of proficiency.

Rus 298 (Demand)

1-3 hrs. cr.

Selected Topics in Russian

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Rus 305 (Demand)

3 hrs. cr.

Conversation and Composition

Another step in developing a more comprehensive proficiency in Russian with a particular emphasis on speaking and writing. The course demands from the student an active use of new and already acquired vocabulary and grammar structures, as well as of syntactical features of oral and written expression. Prerequisite: Rus 204 or equivalent level of proficiency.

Rus 325 (Demand)

3 hrs. cr.

Film in Soviet and Russian History

A survey of the most important aspects of cinematography and cinematographic production in the Soviet Union and Russia. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Taught in Russian with readings in both Russian and English. Prerequisite: Rus 204.

Rus 330 (Demand)

3 hrs. cr.

**Russian Short Story** 

A survey of the major Russian short stories of the 19th and 20th centuries. Classes will involve discussion of the main figures of Russian literature. The course is to be taught entirely in Russian. Prerequisite: Rus 204.

Rus 498 (Demand)

1-3 hrs. cr.

Special Topics in Russian

For upper-division students. Topics to be announced each time the course is offered.

Rus 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Russian. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

## Spanish (Span)

Span 101 (F, S)

3 hrs. cr.

Beginning Spanish I

The first semester of Spanish language instruction, developing proficiency in listening, speaking, reading, and writing.

Span 102 (F, S)

3 hrs. cr.

Beginning Spanish II

The second semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. Prerequisite: Span 101 or equivalent level of proficiency.

Span 203 (F, S)

3 hrs. cr.

Intermediate Spanish I

The third semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. Prerequisite: Span 102 or equivalent level of proficiency.

Span 204 (F, S)

3 hrs. cr.

Intermediate Spanish II

The fourth semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. Prerequisite: Span 203 or equivalent level of proficiency.

Span 208 (Demand)

3 hrs. cr.

Spanish for Nursing and **Health Professionals** 

Taught in Spanish. Practical Spanish for licensed or eligible candidates in the health care field. Prerequisites: Spanish 102 or the equivalent level of proficiency, and Health Assessment in English.

Span 298 (Demand)

3 hrs. cr.

Selected Topics in Spanish

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Span 300 (F,S)

3 hrs. cr.

**Spanish Composition** 

and Syntax (Writing Intensive) Initial oral and written composition with emphasis on grammar; verbal aspect, modals, and tense contrasts through significant practice and sentence drills. Prerequisite: Span 204 or equivalent level of proficiency.

Span 306 (F)

3 hrs. cr.

Introduction to Spanish

Civilization

(Writing Intensive)

Continued development of the four basic language skills through reading and conversation in Spanish culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Co-requisite: Span 204 or equivalent level of proficiency.

Span 307 (S)

3 hrs. cr.

## Introduction to Latin **American Civilization**

Continued development of the four basic language skills in the language through reading and conversation in Latin American Culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Co requisite: Span 204 or equivalent level of proficiency.

Span 308 (Demand)

Latin American Civilization: Mexico

An overview of the history of Latin American civilization using Mexico as the main frame of references and the major case for study. Prerequisite: Span 204 or equivalent level of proficiency.

Span 310 (F)

3 hrs. cr.

#### Conversation I

Emphasis on the basic survival skills of understanding, speaking, and reading in Spanish, and on the study of the Spanish speaking cultures. Prerequisites: Span 204 or equivalent level of proficiency.

Span 326 (S)

3 hrs. cr.

## Peninsular Literature from

El Cid to the present

Spain's literary history and important representative works and writings from El Cid to the present. Taught in Spanish. Co requisite: Span 300 or equivalent level of proficiency.

Span 335 (Demand)

3 hrs. cr.

**Mexican Literature** (Writing Intensive) Major figures and movements in the history of Mexican literature with an emphasis on the 20th century. Taught in Spanish as a seminar. Weekly lectures will alternate with discussion of the readings on a one-to-one basis. Prerequisite: Span 204 or equivalent level of proficiency.

Span 336 (F)

3 hrs. cr.

Survey of Spanish American Literature Survey of Spanish American literature from its be-

ginnings to the present. Taught in Spanish. Co requisite: Span 300 or equivalent level of proficiency.

Span 340 (Demand)

3 hrs. cr.

## **Latin American Cinema**

A survey of the most important aspects of cinematography and cinematographic production in Latin America. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Special emphasis will be placed on the cultural context that made the reception and production of the motion pictures a significant event. The course is to be taught entirely in Spanish with readings in both Spanish and English. Prerequisite: Span 204 or equivalent level of proficiency.

Span 343 (Demand)

3 hrs. cr.

## Hispanic Children's Literature

Children's literature in Spanish from the Hispanic world in all genres. Weekly lectures on the readings will focus on cultural idiomatic recognition as well as cultural behavioral conditions under which the texts were created. Taught in Spanish. Prerequisite: Span 204 or equivalent level of proficiency.

Span 345 (Demand)

1-8 hrs. cr.

Internship in Spanish

Off-campus work experience in areas related to professional goals of students. For advanced students in Spanish. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in Spanish with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Span 350 (Demand)

3 hrs. cr.

## **Latin American Contemporary Issues:**

The Others' Perspective

Current Latin American issues studied with the goal of developing consciousness about the last 30 years of Latin American reality from the perspective of the people. Taught in Spanish with some materials in English. Uses written articles, the Internet and World Wide Web, the Latin American press, and movies. Co requisite: Span 300 or equivalent level of proficiency.

Span 400 (Demand)

3 hrs. cr.

**Hispanic Drama** 

Select works from Spain and Spanish America's most prominent playwrights. Readings and lectures with discussion on the socio-economic, political and cultural implications of different plays. Taught in Spanish. Co requisite: Span 300 or equivalent level of proficiency.

Span 410 (F)

3 hrs. cr.

Conversation II

Spanish language and culture in the framework of the students' potential areas of contact: personal, travel and occupational. Conversation is the major course component. Prerequisite: Co requisite: Span 300 or equivalent level of proficiency.

Span 420 (S)

3 hrs. cr.

**Advanced Spanish** 

Composition (Writing Intensive) Advanced study of the three major components of Spanish grammar, with emphasis on: verbal moods, lexical items, the effects of stress, idiomatic usage, orthography, the principles of translation and composition. Prerequisite: Span 300 or equivalent level of proficiency.

Span 498 (Demand)

1-3 hrs. cr.

Special Topics in Spanish Language/Literature

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: As stated in the syllabus for the specific offering.

Span 499 (F, S)

1-3 hrs. cr.

Independent Study

Individually directed study in selected areas for advanced majors in Spanish. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and must have 15 hrs. in Spanish. The proposed study must be approved by instructor, adviser, department head and school dean prior to enrollment.

# Other Languages (OL)

OL 298 (Demand)

Special Topics in Foreign Languages

Languages not currently a part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific target language will be structured with the objective of developing the speaking, understanding, reading and writing skills of the student in the target language. Each offering will have a syllabus stating specific requirements of the course as well as prerequisites.

OL 498 (Demand)

1-5 hrs. cr. **Advanced Topics in Foreign Languages** Advanced studies in foreign languages and literatures not currently part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific language will be structured with the objective of developing further the speaking, understanding, reading and writing skills of the student in the target language, as well as developing a further awareness of the literature of the specific language. Each offering will have a syllabus stipulating specific requirements of the course as well as prerequisites.

# Translating (Tran)

Tran 300 (Demand)

3 hrs. cr.

Introduction to Professional Translating An introduction to the general principles, proce-

dures, theories, and tools of translating. Students will translate a wide variety of short texts into English. Some basic principles of linguistics will be covered. The language combinations possible will be determined by the availability of faculty at the time of preregistration for the course. Prerequisites: Excellent English language skills and completion of at least one foreign language course at the 300 level or the equivalent.

# Geography / 101

# Geography (Minor)

Webster Hall 241, 417.625.9564

Faculty Miller - Head, Kaldjian

Geography is concerned with the spatial dimension of human experience, namely, space and place. As an integrative discipline, it brings together the physical and human dimensions of the world in the study of people, places, and environments. The subject matter of geography is the Earth's surface and the processes that shape it, the relationships between people and environments, and the connections between people and places.

The minor in Geography emphasizes topical and regional studies, complementing programs of study for students majoring in International studies and history, among other fields of study. Though a major is not offered, sufficient hours are available to meet social studies teacher certification standards, as well as to provide a solid basis for graduate studies in geography. The geography minor consists of 21 semester hours, as outlined below.

The **Geography Club** is open to all students who are interested in geography. It provides an informal setting for students to explore geographical ideas – and to *do* geography – through field trips and sponsored activities.

## Minor in Geography - 21 hours

## Required Core (12 hours):

	Semester	Hours
Geog 101	Intro to Geography	3
Geog 211	Regions and Nations	3
Geol 201	Physical Geography*	3
Geog 310	Human and Cultural	
	Geography	3
		10

## Choose 6 hours from topical geography:

CHOOSE OF	iours ironi topical geogr	apily
Geog 311	Political Geography	3
Geog 322	Economic Geography	3
Geog 352	Introduction to GIS and	
	Remote Sensing	3
Geog 457	Urban Geography	3
Geog 498	Seminar in Geography	
	(human/cultural)	3

# Choose 3 hours from advanced regional geography:

Geog 369	Geography of the Middle	
	East and North Africa	3
Geog 382	Geography of Europe	3
Geog 412	Geography of Latin	
	America	3
Geog 422	Geography of the United	
	States and Canada	3
Geog 498	Seminar in Geography	
	(advanced regional	
	geography)	3

\*For course description, see under Geology.

# **Course Descriptions**

Geog 101 (S, Odd)

Intro to Geography

An introduction to geography, with the goal of increasing geographic literacy and recognizing the importance of geography in every day life. This course introduces students to the discipline, its basic principles, and major concepts, tools, techniques, and methodological approaches. It traces the development of modern geography and surveys its physical and human sub-disciplines.

Geog 211 (F, S) 3 hrs. cr.

**Regions and Nations** 

Survey of the peoples of the earth and how their activities are influenced by climate, topography and natural resources.

Geog 298 (Demand) 3 hrs. cr.

**Topics in Geography** 

Special geography topics of current interest. Subjects and instructors are changed each semester. Students are encouraged to submit areas of interest to the social science department.

Geog 310 (F) 3 hrs. cr.

**Human and Cultural Geography** 

Study of the outcome of interaction between humankind and environment as expressed in the spatial organization of human activities, culture, and settlement patterns.

Geog 311 (S, Odd) 3 hrs. cr.

**Political Geography** 

Geographic factors which have influenced international relations and the policies of states as political units. Emphasis on geopolitics, religion, racial and ethnic groupings and other factors which may contribute to unity or disunity. Geog 322 (S, Odd)

**Economic Geography** 

World commodities and geographic factors which affect their production and make them significant to the world economy.

Geog 352 (Demand)

3 hrs. cr.

3 hrs. cr.

Introduction to GIS and Remote Sensing

An introduction to the basic concepts of map reading, Geographic Information System (GIS), and Remote Sensing (RS) as tools for spatial analyses and resource management.

Geog 369 (F)

3 hrs. cr.

# Geography of the Middle East and North Africa

Analysis of the physical, cultural, economic, and political geography of the Middle East and North Africa (MENA), with emphasis on understanding its people and places, recognizing the roots of conflict in the region, and developing an awareness of the importance of this region.

Geog 382 (S, Even)

3 hrs. cr.

3 hrs. cr.

Geography of Europe

This course examines the diverse geographies of Europe, combining systematic and regional approaches in the analysis of its environments, people and places.

Geog 412 (Demand)

3 hrs. cr.

Geography of Latin America

Cultural and physical regions and natural resources of South America, Central America, and the Caribbean Islands. Special emphasis on current problems and relations with the United States.

Geog 422 (S, Odd)

3 hrs. cr.

Geography of the United States and Canada

Geographic analysis of the United States and Canada with emphasis on regional variations of social, economic, and physical phenomena.

Geog 457 (S, Even)

3 hrs. cr.

**Urban Geography** 

Analysis of the characteristic pattern of urban space, spatial organization of urban settlement and urban societies.

Geog 498 (Demand)

3 hrs. cr.

Seminar in Geography (advanced regional geography or human/cultural)

Study and analysis of selected topics in advanced regional geography.

Geog 499 (Demand)

1-2-3 hrs. cr.

Independent Study

For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the departments course offerings. The individualized project will be directed by an instructor/adviser from the geography faculty in consultation with the student.

6

# Geology

Reynolds Hall 210, 417.625.9376

Faculty Sloan - Head, Knapp

Geology, the study of the processes shaping planet earth, is of interest to civil engineers, environmental scientists, geographers, and biologists. Professionals find their background in geology useful for graduate studies, land-use planning, assessment of natural environmental hazards, resource development and waste disposal.

Geophysics studies the underlying forces responsible for geologic processes and develops the technology for probing the subsurface and interior of the earth. Professional geophysicists work to understand the nature of volcanic eruptions, the behavior and potential prediction of earthquakes, the mechanisms behind continental drift, how to better predict the behavior of the atmosphere, and to develop technologies to search for new mineral and energy resources.

The Physical Science department participates in a cooperative transfer program with the University of Missouri-Rolla which allows students to complete their first two years of study toward a Bachelor of Science degree in either geology or geophysics at Missouri Southern and then transfer to UMR for the completion of the last two years of the degree. Interested students should pick up a transfer booklet from the Physical Science department that lists the entire course sequence at MSSC and UMR. The program is adaptable so that students may also complete the degree at the University of Missouri at Columbia or Southwest Missouri State University in Springfield.

The geology courses at Southern support majors in other fields such as geography and environmental health and enable students to meet state certification requirements for teaching general science and earth science at the 7th through 12th grade levels.

For additional information contact:

Dr. John Knapp

Office: Reynolds Hall 208 Phone: 417.625.9720

E-mail: knapp-j@mail.mssc.edu

# **Course Descriptions**

Geol 110 (S)

5 hrs. cr.

Introduction to Geology

Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, two 2-hr. labs per week.

Geol 180 (F, Odd)

3 hrs. cr.

Introduction to Meteorology

Fundamentals of the circulation of the atmosphere, sequence of weather events. Includes interpretation of weather maps. Three lectures per week. Prerequisite: Physics 100 or equivalent.

Geol 201 (F, Even)

3 hrs. cr.

**Physical Geography** 

Study of the physical or natural aspects of man's environment, with emphasis on land form development, oceanographic features, and climate. Students may not receive credit for both Geol 110 and Geol 201.

Geol 202 (F, Even)

1 hr. cr.

Map and Photo Interpretation

An introduction to the interpretation of topographic maps, aerial photos, and satellite images. One 3-hour laboratory per week. Designed to compliment Geol 201. Prerequisite: Geol 201 or equivalent, may be taken concurrently. Students may not receive credit for both Geol 110 and Geol 202.

Geol 300 (F, Even)

4 hrs. cr.

**Environmental Geology** 

An introduction of man's relationship to the earth's environment. The impact and mitigation of natural disasters, such as volcanoes, earthquakes, landslides, floods, subsidence are analyzed for various actual cases. Includes the effects of oil spills, surface mining, waste disposal, ground water contamination and other man-made geologic hazards. The limitations of natural resources and projections for future needs are considered in terms of man's demand on the environment. Prerequisite: Five credits in physical science, physics, and/or chemistry.

Geol 320 (S, Even)

4 hrs. cr.

**Historical Geology** 

A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three hours of lecture and one 2-hr. lab per week. Prerequisites: Geol 110 (Bio 101 or equivalent recommended).

Geol 498 (Demand)

1-3 hrs. cr.

Studies in Geology

In depth study of the geology of a particular region or system of regions through classroom sessions and/or field trips. Extended field trips will require a special lab fee and, in some cases, special physical conditioning or training. The region or area of interest varies from year to year. Prerequisites: Geol 320 and/or consent of the instructor.

Geol 499 (Demand)

1-3 hrs. cr.

**Geology Field Studies** 

Individual work under the supervision of a staff member with credit and hours to be arranged. Problems may be undertaken in any field of geology with adequate preparation and the consent of the supervising instructor. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of science, Geol 110 and a proven interest in geology.



Webster Hall 241, 417.625.9564

**Faculty** Miller - Head, Cebula, Laas, Markman, Schmidt, Tannenbaum, Teverow, Wagner

A bachelor of arts degree with a major in history prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A bachelor of science in education with a major in social studies history emphasis - certifies a student to enter professional teaching at the secondary school level. A minor in history is available for students majoring in other disciplines. Also see page 126 for a social sciences minor or the social studies for secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by History 110 and History 120 or 320. History 130 or 140 may also be used to meet certain Core Curriculum requirements. History 110 or 120 is a prerequisite for all upper division U. S. history courses. History 320 substitutes for 120, but may not be used to fulfill upper division history requirements.

# History / 103

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History 130 or 140 is a prerequisite for all upper division European, Asian, or Latin American history courses.

Hist 130 or 140 cannot be taken as a corequisite with any upper division European or Asian history course.

## Student Organizations

History Club is open to all students who are interested in history. The club provides an informal setting for students to pursue their interests in history and sponsors a wide variety of activites each semester.

Pi Alpha Theta is the national honor society in history. Pi Alpha Theta recognizes academic excellence in the field and encourages its members to participate in the activities of its national organization. Locally, Pi Alpha Theta members share many activities with the history club.

## Bachelor of Arts with a Major in History

		Semester H	lours
	Computer	irements (p. 33) 51* Literacy Requirement - d by Social Sciences	42
	Departmen	-	3
		nguage (four courses in	
	one langua		12
	<b>History Re</b>	quirements	39
	Hist 110	U. S. History 1492-1877	3
)	Hist 120 OR	U. S. History 1877-Present	
	Hist 320	U. S. History 1877-Present	3
	Hist 130	Western Civilization	
		to 1660	3
	Hist 140	Western Civilization	
		Since 1660	3
2	Hist 150	Asian Civilizations	
	OR		
	Hist 210	History of Latin America	3
	Hist 201	Introduction to Historical	
		Research**	3
	Hist 497	Seminar in Historical	
		Research**	3
	Hist	Upper Division U.S.**	6
	Hist	Upper Division European	
		or Asian	
		or Latin American**	6
	Hist	Upper Division Electives**	6
	Electives		28

\*Required History courses satisfy Major reguirements and 9 hours of Core Curriculum. \*\*See Prerequisites.

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\*\*\*Must include at least 40 upper division (300-400 level) hours.

## Bachelor of Science in **Education with a Major** in Social Studies Grades 9-12 Certification

**History Emphasis** 

Plan B Single Teaching Field

Semester	Hours
----------	-------

	OCITICS(CITI	ours
	irements (p. 33) 51*	33
History Re	equirements	39
Hist 110	U.S.History 1492-1877	3
Hist 120	U.S. History 1877-Preser	nt
OR		
Hist 320	U.S. History 1877-Present	3
Hist 130	Western Civilization	
	to 1660	3
Hist 140	Western Civilization	
	Since 1660	3
Hist 150	Asian Civilizations	
OR		
Hist 210	History of Latin America	3
Hist 201	Introduction to Historical	
	Research**	3
Hist 497	Seminar in Historical	
	Research**	3
Hist	Upper Division U.S.**	6
Hist	Upper Division European	3
Hist	Upper Division Latin	
	American or Asian**	3
Hist	Upper Division Electives**	6
Supporting	g Requirements	21
PSc 120	Gov't: U.S./State/Local	3
PSc	Upper Division Elective	3
Soc 110	Introduction to Sociology	3
Soc	Upper Division Elective	3
Geog 211	Regions and Nations	3
Geog	Upper Division Elective	3
Econ 180	Amer Econ System	3
Education	Certification Requireme	nts
(p. 167)		9-40
Elective		1-2
		133

\*Required history, political science, sociology and economics courses satisfy major requirements and 18 hours of Core Curriculum. \*\*See Prerequisites

## Minor in History

	Semester	Hours
Hist 110	U.S. History 1492-187	7 3
Hist 120 OR	U.S. History 1877-Prese	ent
Hist 320	U.S. History 1877-Prese	ent 3
Hist 130 OR	Western Civilization To	1660
Hist 140	Western Civilization	
	Since 1660	3
Hist	Upper Division U.S.	
	Elective*	3

Hist Upper Division European

or Asian

or Latin American

Elective\*\*

\*Must be chosen with approval of history adviser.

## Minor in Social Studies for Secondary Education

See page 126.

## Suggested Order of Study

## **Bachelor of Arts** Major Code 2205 **History Major**

## Freshman Year

1st Semester	r	
Course		Hours
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 125 Cont Math]	3
CORE	[Kine 103 Lifetime Wellnes	s] 2
CORE	[Kine 101 Physical Activity]	] 1
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		16

Ziid Semeste	31	
Hist 120	U.S. History 1877-Present*	
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	]3
CORE	[Bio 101 Gen Biology]	4
CORE	[Comm 100 Oral Comm]	3
		4.0

Sophomore	Year	
1st Semester	r	
Hist 130	Western Civilization to 1660	3
Foreign Lang	juage	3
CORE	[Eng Literature]	3
Hist 201	Introduction to Historical	
	Research	2
CORE	[Econ 180 Amer Econ Sys]	3
		14
2nd Semeste	er	
Hist 140	Western Civ Since 1660	3
Foreign Lang	juage	3
CORE	[Soc 110 Intro to Sociology]	3

CORE [Phys 100 Fund of Phys Sci] 5 CORE [Computer Literacy course selected with adviser's 3 approval]

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# 104 / History

Junior Yea	r	
1st Semest	er	
Hist 150	Asian Civilizations	
OR		
Hist 210	History of Latin America 3	
CORE	[Humanities and Fine Arts] 3	
CORE	[International Cultural Stu] 3	
Foreign Lar	nguage 3	
Elective	[A minor is suggested] 3	
	15	
2nd Semes		
Hist	Upper Division U.S. (not 320) 3	
Foreign Lar	3 3	
Electives	[A minor is suggested] 9	
	15	
Senior Year		
1st Semest		
Hist	Upper Div Eur or Asian	
	or Latin American** 3	
Hist	Upper Div Elective (not 320) 3	
Electives	[A minor is suggested] 9	
	15	
2nd Semes	tor	
Hist	Upper Div Elective (not 320) 6	
Hist 497	Seminar in Hist Research 3	
Electives	[A minor is suggested] 7	
Electives	[A millor is suggested]	
	10	
*Also meet	s a Core Curriculum requirement.	
**See Prere		
200 . 101		
[Departmer	nt Recommendations]	
	,	

For additional information contact: Dr. Robert Markman

Office: Webster Hall 243 Phone: 417.625.9740

E-mail: markman-r@mail.mssc.edu

**Bachelor of Science in Education** Major Code 0843 Social Studies Major (Plan B) Single Teaching Field **Grades 9-12 Certification History Emphasis** 

## Freshman Year

1st Semeste	r	
Course		Hours
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Math 125 Cont Math]	3
Psy 120	College Orientation	1
Educ 100	Orientation to Education I	1
CORE	[Comm 100 Oral Comm]	3
		17

2nd Semeste	er	
Hist 120	U.S. History 1877-Present*	
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
PSc 120	Gov't: U.S./State/Local*	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Activities]	1
Elective		3
		17

### Sophomore Year

1st Semester		
Take C-Base	test.	
Hist 130	Western Civilization to 1660	3
Hist 201	Intro to Hist Research	2
CORE	[Eng Literature]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Fund of Phys Sci]	5
Educ 200	Orientation to Education II	1
Psy 301	Adolescent Psychology	3
	1	9

#### 2nd Semester

Apply for admission to Teacher Education.					
Hist 140	Western Civ 1660-Present	3			
Geog 211	Regions and Nations	3			
Soc 110	Intro to Sociology*	3			
CORE	[Humanities and Fine Arts]	3			
Psy 310	Educational Psychology	2			
Educ 302	Exceptional Child	2			
		16			

#### Junior Year

1st Semeste	r	
Pass media	competencies.	
Hist 150	Asian Civilizations	
OR		
Hist 210	History of Latin America	3
Econ 180	Amer Econ System	3
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 301	Use of Comp Sftwr in Clsrm	3
Educ 423	Classroom Management	2
		17

#### 2nd Semester

Hist	Upper Div U.S. (not 320)	3
Hist	Upper Div Eur or Asian	
	or Latin American**	3
Anth 342	Comparative Cultures	3
Hist	Upper Div Elective (not 320)	3
PSc	Upper Division Elective	3
	1	15

### Senior Year

1st Semester

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Hist	Upper Div Elective (not 320)	3
Hist 497	Seminar in Hist Research	3
Geog	Upper Division Elective	3
CORE	[Humanities and Fine Arts]	3
Educ 422	Rdng in Secondary School	2
		17

2nd	Sen	neste	r		
- 1	- 00		-		0

Lina Comicot	01					
Educ 334	Tchng	Soc :	Sci	in Sec	Sch	2
Professional	Semes	ter				14
						16

See pages 165-177 for specific education department requirements.

\*Also meets a Core Curriculum requirement.

\*\* See prerequisites.

For additional information contact:

Dr. Richard B. Miller Office: Webster Hall 245 Phone: 417.625.9564

E-mail: miller-r@mail.mssc.edu

# Course Descriptions

# U. S. History

Hist 110 (F, S)

United States History 1492-1877 Survey of the United States from the era of discovery through reconstruction. Meets the Core Curriculum requirement for all majors. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 120 (F, S) 3 hrs. cr. United States History 1877 to Present

Survey of the economic, social and political development of the United States from 1877 to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 201 (F) 3 hrs. cr. Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand)

3 hrs. cr.

3 hrs. cr.

**Topics in History** 

Special historical topics are examined. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

# History / 105

Hist 310 (Demand)

3 hrs. cr.

**United States Social and** Intellectual History

Ideas, values and institutions that have nurtured and influenced the United States during the great industrial expansion, and emergence as a technology leader to the dilemmas of the 1970's and 1980's. Prerequisite: Three hrs. of history or consent of instructor.

Hist 315 (Demand)

3 hrs. cr.

**Economic History of the United States** 

Development of the American economy and its related institutions from the early national period to the present.

Hist 320 (Demand)

3 hrs. cr.

United States History 1877 to Present

Survey of the United States from Reconstruction to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Prerequisite: Hist 110.

Hist 325 (F, Odd)

3 hrs. cr.

The American West

The conquest of the American West by Spanish, French, and American settlers and its effects on the native inhabitants of the region. The development of the mythic west will also be examined.

Hist 330 (Demand)

3 hrs. cr.

History of the American Indians

Social, political, diplomatic, military and legal history of native American society.

Hist 335 (Demand)

3 hrs. cr.

**United States Foreign Relations to 1900** 

Diplomatic relations of the United States and the related development of its foreign policy from 1775 to 1900.

Hist 340 (S, Odd)

3 hrs. cr.

**United States Foreign** Relations Since 1900

An investigation of the United States' foreign relations from its emergence as a world power to the present day. Prerequisite: History 120

Hist 343 (F, Odd)

3 hrs. cr.

The U.S. and the Cold War

A study of the 20th century struggle for global influence between the United States and the Soviet Union. Prerequisite: History 120

Hist 344 (F, Even)

3 hrs. cr.

America in Vietnam

A political, diplomatic, military, and social study of

the United States involvement in the conflict in Vietnam from 1945 to 1975. Topics will include: American support for French colonial policy in the region, American support for a South Vietnamese state as a bulwark against communism, the "Americanization" of the war against the "Viet Cong" and North Vietnamese, the military strategy of a "limited" war, the perspectives of American soldiers, the anti-war movement, and withdrawal and defeat. Prerequisite: History 120

Hist 345 (Demand)

3 hrs. cr.

Age of Jefferson and Jackson

Early political development in the United States. Evolution of the presidency over the first years of the new government, the triumph of Jeffersonian ideas, social trends and the rise of nationalism.

Hist 350 (S)

3 hrs. cr.

**Civil War and Reconstruction** 

Causes of the Civil War, slavery and reform movements before the Civil War. Traces the development of reconstruction and political developments of the era.

Hist 355 (F, Even)

3 hrs. cr.

The South

Social, economic, political and intellectual history of the Southern United States concentrating on tracing the distinctive characteristics of the section and attempting to discover how a consciousness of the region's separateness evolved.

Hist 360 (Demand)

3 hrs. cr.

**History of Missouri** 

Missouri's growth from its early settlement to the present. Emphasis on political, economic, institutional and social development.

Hist 365 (Demand)

3 hrs. cr.

Colonial North America (Writing Intensive) Discovery, conquest and development from 1492-1781. The imperial struggles between Spain, France, England and various Native Americans will be emphasized, along with the social, cultural, and economic growth of the European colonies.

Hist 373 (F, Odd)

Women in U.S. History (Writing Intensive) A survey of the historical experience of American women from the colonial period to the modern era.

Hist 400 (Demand)

3 hrs. cr.

**United States Military Experience 1775 to Present** 

Major wars and other activities of the armed forces with emphasis on general military policy, strategy, tactics, organization and technology.

Hist 405 (Demand)

The United States 1870-1920

United States at the turn of the century with the impact of the Industrial Revolution and its effect on social, political and economic institutions, the Progressive Movement and World War I.

Hist 410 (S, Even)

3 hrs. cr.

Modern America

Impact of politics, economics, social and cultural trends on the United States since 1920. Prerequisites: History120.

Hist 496

3-8 hrs. cr.

Internship in History

Practical, professional training in archival skills and museum management in an area historical museum, archival institution or historic site, under the supervision of a faculty member and a

professional from the participating institution. No more than three hours may be counted toward a major or minor. Prerequisite: Junior standing or above and departmental approval.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical

Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/ adviser with approval of department head and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required.

# European History

Hist 130 or Hist 140 is a prerequisite for any upper level European History course.

Hist 130 (F, S)

3 hrs. cr.

Western Civilization to 1660

Development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression and daily life in the ancient Near East, Greece, Rome and Christian Europe. May be used to meet the Core Curriculum requirement in Area 5.

Hist 140 (F, S)

3 hrs. cr.

Western Civilization Since 1660

Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions and two world wars. May be used to meet the Core Curriculum requirement in Area 5.

Hist 201 (F)

2 hrs. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a

# 106 / History

prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand)

3 hrs. cr.

**Topics in History** 

Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 369 (Demand)

3 hrs. cr.

### **Nineteenth Century Europe**

Major alterations of European society during this century. Emphasis on industrialization, imperialism, revolutions, rise of socialism/communism, middle-class liberal capitalism and individual national events.

Hist 370 (Demand)

3 hrs. cr.

## **Twentieth Century Europe**

A survey approach with emphasis on World Wars I and II, the League of Nations, the United Nations, totalitarian systems and current European/ world problems.

Hist 371 (Demand)

3 hrs. cr.

#### The Holocaust

An examination of the destruction of the European Jews from 1933 to 1945, with special attention to the social, political, and scientific context of the Holocaust. Special attention to European antisemitism, the rise of German Nazism, the development of a policy of mass murder, and the operation of ghettos and death camps.

Hist 375 (F, Even)

3 hrs. cr.

English History to 1660 (Writing Intensive) The peoples of England and their institutions from prehistoric settlement through the English civil wars. Major topics include the impact of Anglo-Saxon and Norman invasions, the changing roles of monarchy and of parliament, and life among various social classes.

Hist 380 (S, Odd)

3 hrs. cr.

## **English History Since 1660**

English people and institutions from the restoration of Charles II to the present. Concentration on the emergence of modern Parliamentary democracy, the industrial revolution, the Empire and current position of England in world affairs.

Hist 387 (F, Odd)

3 hrs. cr.

History of Russia to 1796 (Writing Intensive) History of Russia from pre-Tsarist times through the reign of Peter the Great. Emphasis on the land and the people, national characteristics and political institutions.

Hist 388 (S, Even)

3 hrs. cr.

## History of Russia Since 1796

Russia since the reign of Catherine the Great until the recent demise of the Soviet Union. Investigates the problems posed by Tsarist Autocracy and Serfdom, the origins and course of the Bolshevik Revolution, Russian life under communism, and the structural weaknesses and events contributing to the collapse of the Soviet Union.

Hist 390 (Demand)

3 hrs. cr.

## **History of Germany**

Social, political, military and economic history of Germany, with major concentration on the post 1519 period. Emphasis on the decline of the Medieval Empire, princely absolutism, national unification, Weimar Republic, Third Reich and post World War II.

Hist 420 (F, Odd)

3 hrs. cr.

## **Medieval History**

Europe from the end of the Roman Empire to c. 1350. Emphasis on the emergence of the Papacy, manorialism and feudalism, the development of cities and an urban economy, and on intellectual life and artistic expression.

Hist 425 (S. Even)

3 hrs. cr.

## The Renaissance and the Reformation 1350-1559

An overview of Europe from 1350 to 1559. Changes in thought and artistic expression, the divisions within Western Christendom, the emergence of national monarchies, and the impact of economic change on daily life.

Hist 435 (F, Even)

3 hrs. cr.

## The Era of the French Revolution and Napoleon

An examination and analysis of events in France and their impact on Europe from 1789 to 1815. Interplay of ideas and people and the quest for a political settlement under a constitutional monarchy, republic and empire.

Hist 440 (S, Even)

3 hrs. cr.

## **European Intellectual History**

Intellectual, cultural and social developments in Europe from the Italian Renaissance to the present. Examination of the rise of scientific thought, the Enlightenment, Romanticism, nationalism, political ideologies, social reforms and existentialism.

Hist 497 (F)

3 hrs. cr.

## Seminar in Historical

## Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest the instructor and student. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

## Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

## Independent Study

Individualized project directed by the instructor/ adviser with approval of the department head and the school dean prior to enrollment. Advanced standing in the major field and a minimum GPA of 3.0 are required.

# Asian History

History 150 is a prerequisite for any upper level Asian History course.

Hist 150 (S)

## **Asian Civilizations**

Introductory survey of the history and culture of traditional and modern Asia, focusing on the distinctive culture areas of monsoonal Asia, i.e., South, Southeast, and East Asia. Some attention will also be given to Asian culture areas outside this zone.

Hist 201 (F)

3 hrs. cr.

### Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand)

3 hrs. cr.

## **Topics in History**

Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 313 (F, Odd)

3 hrs. cr.

## East Asian Civilizations I

Survey of the history of pre-modern East Asia to ca. 1800, focusing particularly on China, Japan, and to a lesser extent, Korea. Course will emphasize the development of East Asian cultures, societies and political structures and will use a comparative analysis inseeking to understand the history of the region.

Hist 314 (Demand)

3 hrs. cr.

## East Asian Civilizations II

Survey of the history of modern East Asia from ca. 1800, focusing particularly on China, Japan, and to a lesser extent, Korea. Course will emphasize the impact of the West and the problems of modern development, using a comparative analysis in seeking to understand the history of the region.

Hist 455 (F, Even)

3 hrs. cr.

## Traditional South Asia

Survey of traditional South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the Harappan Culture through the twelfth century. Course emphasizes developments in South Asian culture, society, and politics, particularly the development of religions, such as Hinduism, Buddhism, Jainism, Islam, and Sikhism, as well as the evolution of South Asian politics.

## History / 107

Hist 458 (S, Odd)

3 hrs. cr.

#### Modern South Asia

Survey of medieval and modern South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the twelfth century to the present. Course emphasizes developments in South Asian culture, society, and politics, particularly the impact of Islam, European imperialism, the rise of Indian nationalism, Indian independence, and post-independence foreign and domestic politics.

Hist 497 (F)

3 hrs. cr.

#### Seminar in Historical

Research (Writing Intensive) Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, as similate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

#### Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F. S)

1-2-3 hrs. cr.

#### Independent Study

Individualized project directed by the instructor/ adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

## Global History

Hist 201 (F)

3 hrs. cr.

#### Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 341 (F)

3 hrs. cr.

#### **Problems in Recent Diplomatic History**

Selected issues in recent global history from the perspective of a United Nations member state. Each student will investigate one issue, share the results of the research with the class and in a paper explain the historical background of the selected nation's position on the issue. Both the nation and topics studied will be determined by MSSC's participation in the Midwest Model United Nations and similar conferences. Although the course is a prerequisite for delegates to these conferences, enrollment is not limited to Model UN participants. May be repeated up to 9 hrs.

Hist 497 (F)

Research

3 hrs. cr.

#### Seminar in Historical

(Writing Intensive) Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge.

Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

> Latin American **History**

Hist 201 (F)

2 hrs. cr.

#### Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 210 (F, Even)

3 hrs. cr.

#### **History of Latin America**

Provides a historical overview of Latin America, from the Spanish and Portuguese to the present day, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background of Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, Spanish administration, the independence movements of the nineteenth century, nation building, democratization and the influence of the United States.

Hist 474 (Demand)

3 hrs. cr.

#### Colonial Latin America

Colonial Latin America will provide a historical overview of Latin American from the Spanish and Portuguese conquest until independence in the 1820s, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background to Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, imperial rivalries, Spanish administration, Indian labor, and the independence movements of the 19th century.

Hist 475 (Demand)

#### Modern Latin America

Historical overview of Latin America since independence, examining major themes, events, and issues in the region. Particular emphasis on ways in which Latin American peoples have struggled to resist, adapt, and take advantage of the social forces influencing their nations' urbanization, populism, social revolution, development, peasant rebellion, the position of women in society, and the Church.

Hist 497 (F)

3 hrs. cr.

#### Seminar in Historical

Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prereguisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

#### Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

#### **Independent Study**

Individualized project directed by the instructor/ adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

## **Mathematics**

Reynolds Hall 210, 417.625.9376

Faculty Vazquez - Head, Adkins A., Adkins L., Cassens, Curtis, Hand, Harmon, Johnson, Laird, Livingston, Martin, Thuong, Weaver

In an increasingly technological society, applications of mathematics continue to increase in variety. Persons with quantitative ability and training are in high demand. Career opportunities exist in a diversity of fields such as engineering, computer science, economics, statistics, operations research, management and education. Missouri Southern graduates are enjoying success in all of these areas. Some graduates choose to begin careers immediately upon graduation; others choose to continue their education in graduate school. The curriculum is designed to prepare students for either path. The computational mathematics option allows a student to obtain a double major in mathematics and computer science.

General Education requirements for the bachelors and the associate of arts degree can be met with any mathematics course numbered 120 or above. Note the limitations on Math 119 in the course descriptions.

## 108 / Mathematics

General Education requirements for the associate of science degree can be met with any mathematics course numbered 030 or above.

For students majoring in mathematics, mathematics education, computational math or minoring in math, only courses in which they have earned a grade of "C" or above can be used to satisfy departmental mathematics requirements and supporting requirements. Mathematics courses used as prerequisites require a grade of "C" or better. Placement in the first college math course is based on the student's score on the Mathematics Section of the ACT. More information is available in the individual course description, the mathematics department office, or on the following website: www.mssc.edu/math/place.htm

## Bachelor of Science with a Major in Mathematics

	Semester	Hours
General Ed	ducation (p. 33) 51*	43
	cs Requirements	39
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought*	* 3
Math 342	Abstract Algebra**	
OR		
Math 351	Linear Algebra**	3
Math	Electives numbered	
	above 320***	18
Supporting	g Requirements	16
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Chem 101	General Chemistry I	5
Comp 110	(or above)	3
<b>Electives</b>		26
TOTAL		124****

\*Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the General Education

\*\*See Prerequisites

\*\*\*Must include one from Math 350, 371, 452 to satisfy computer literacy requirement and either 330, 371 or 452 to satisfy Writing Intensive requirement.

\*\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

#### Bachelor of Science with a Major in Mathematics Computational Mathematics Option\*

Semester Hours

General Education (p. 33) 51\*\* 43 **Mathematics Requirements** 33 Math 150 Calculus with Analytic Geometry I\*\*\* 5 Math 250 Calculus with Analytic Geometry II\*\*\* 5 Math 260 Calculus with Analytic Geometry III\*\*\* 5 Math 300 Fundamentals of Mathematical Thought\*\*\* 3 Math 350 Introduction to Numerical Analysis\*\*\* Math 351 Linear Algebra\*\*\* Math 371 Introduction to Operations Research (WI)\*\*\* 3 Math Electives numbered above 320\*\*\* 6 CIS Core 33 **CIS 110** 3 Programming I **CIS 210** Programming II CIS 302 Information Systems I (WI) 3 **CIS 310** Database Mgmt. Sys. I **CIS 315** 3 Computer Networks **CIS 345** UNIX System Admin. 3 CIS 350 **Data Structures** 3 **CIS 370** Adv Object Oriented Prog 3 **CIS 410** Information Systems II **CIS 425** Database Mamt. Systems II (WI) **CIS 450** Operating Systems (WI) 3 **Supporting Requirements** 13 Physics and/or chemistry electives must include at least one course from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, and Phys 300)

\*This program is the same as the bachelor of science in CIS, computer science (Option 2). See page 192. Students selecting this option will graduate with a double major, mathematics and computer information science. \*\*Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the General Education requirements.

\*\*\*See Prerequisites

**Electives** 

Total

#### Bachelor of Science in Education with a Major in Mathematics

Grades 9-12 Certification

Plan A	One of Two Tea	aching	Fields
	Se	emester	Hours
General E	Education (p. 33)	51*	45
Madhama	tion Domilloomant	-	22

Mathemati	cs Requirements	33
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought**	3
Math 332	Geometry**	3
Math 342	Abstract Algebra**	3
Math 351	Linear Algebra**	3
Math 361	Probability & Statistics**	3
Math 371	Intro/Operations Research	ch
OR		
	Mathematical Models	3
Supporting	g Requirements	3
Comp 110		3
Education (	Certification Requirements	
(p. 167)		39-40
	ching field (some fields	
exceed 30		30
TOTAL	150-1	51****

\*Required courses in mathematics and psychology satisfy major requirements and 6 hours of the General Education requirements.

\*\*See Prerequisites

#### Bachelor of Science in Education with a Major in Mathematics Grades 9-12 Certification

2

Plan B Single Teaching Field
Semester Hours

	Semester	Hours
General Ed	lucation (p. 33) 51*	40
Mathemati	cs Requirements	33
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought**	3
Math 332	Geometry**	3
Math 342	Abstract Algebra**	3
Math 351	Linear Algebra**	3
Math 361	Probability and	

Statistics I\*\*

## Mathematics / 109

Math 371	Intro/Operations Resea	rch	2nd Semes		0	Sophomor		
OR			Math 300	Fund of Math Thought	3	1st Semest		
Math 452	Mathematical Models	3	Math	Elective [322]	3	CIS 310	Database Mgmt Sys I	3
	g Requirements	16	CORE	[Psy 100 or Soc 110]	3	Chem 101	General Chemistry I	5
		1	CORE	[Area 2 Elective]	3	Math 260	Calc w/Anal Geo III	5
Phys 160	General Physics I	3	CORE	[Hist 120 or 320 U.S. Hist	1] 3	CORE	[Comm 100 Oral Comm]	3
Phys 270	General Physics II	5			15			16
Chem 101	General Chemistry I	5						
	(or above)	3	Junior Yea			2nd Semes	tor	
						CIS 315	Computer Networks I	3
	Certification Requiremen		1st Semest		0			
p. 167)		43	Math	Electives**	6	CIS 350	Data Structures	3
OTAL		132	CORE	[Area 2 Elective]	3	Math 300	Fund of Math Thought	3
			Elective		3	CORE	[Kine 101 Physical Activity]	1
			CORE	[PSc 120 Govt:US/Sta/Lo	oc] 3	CORE	[Kine 103 Lifetime Wellness	3] 2
	courses in mathematics, c				15	CORE	[Area 2A]	3
ry, physics	s and psychology satisfy	major						15
equiremen	nts and 11 hours of the C	General	2nd Semes	ter				
	requirements.		Math	Electives**	6	Junior Yea	r	
			CORE			1st Semest		
*See Prer	equisites			[Bio 101 General Biology				0
			CORE	[Kine 101 Physical Activit		CIS 345	UNIX System Admin	3
linor in	Mathematics		CORE	[Area 5 Elective]	3	CIS 370	Adv Object Oriented Prog.	3
		Herr	Elective		1	Math 371	Intro Ops Research (WI)	3
	Semester	Hours			15	CORE	[Bio 101 General Biology]	4
Math 150	Calculus with Analytic					CORE	[Hist 110 U.S. History]	3
	Geometry I	5	Senior Yea	r			-	16
Math 250	Calculus with Analytic		1st Semest					
natii 250					6	2nd Semes	ter	
	Geometry II	5	Math Electives	VES				2
Math	Electives numbered		Electives		6	CIS 302	Information Systems I	3
	above 250*	11			12	Math 350	Intro to Num Analysis	3
		21				Math	Elective**	3
			2nd Semes	ter		CORE	[Area 5 Elective]	3
At least 6	hours upper division (ex	cluding	Math Electiv	ves**	6	CORE	[PSc 120 Govt:US/Sta/Loc]	3
Math 302).			Electives		9			15
,					15			
						Senior Year	r	
			**Flectives	must be approved by math	adviser	1st Semest		
			Liectives	must be approved by matri	auvisei.		Information Systems II	3
			10.	4 D		CIS 410		
Su	gested Order of Study	1	Departmen	t Recommendations]		CIS 450	Operating Systems (WI)	3
005						Math 351	Linear Algebra	3
			For addition	onal information contact:		CORE	[Econ 180 Amer Econ Sys]	3
Bachelor	of Science		Dr. Juan V	/azquez, Department He	ad	CORE	[Hist 120 or 320]	3
							General Elective	1
Major Cod				eynolds Hall 212				16
Mathemat	ics		Phone: 4	17.625.9540				
			E-mail: va	zquez-j@mail.mssc.edu		2nd Comoo	tor	
Freshman '	/ear			,		2nd Semes		0
1st Semeste						CIS 425	Database Mgmt Systems II	
	,	Hours				Math	Elective**	3
Course	0-1	Hours	Bachelor	of Science		CORE	[Area 2B]	3
Math 150	Calc w/Anal Geo I	5	Major Cod	le 1702		CORE	[Area 2C]	3
Chem 101	General Chemistry I	5		tional Mathematics Opt	tion*	Chem or Pl	hys Elective	3
CORE	[Eng 101 Comp I (WI)]	3	Computa	ilonai wathematics Op	iiiii			15
CORE	[Area 2 Elective]	3						
Psy 120	College Orientation	1	Freshman	Year		*600 -000	amonto and avelusions or see	0 100
3,		17	1st Semest	er			ements and exclusions on page	
			Course		Hours	**Electives	must be approved by math ad	iviser.
and Compart	or		Comp 110	Programming I	3			
2nd Semest		E	Math 150	Calc w/Anal Geo I	5	[Departmer	nt Recommendations]	
Math 250	Calc w/Anal Geo II	5						
CORE	[Eng 102 Comp II (WI)]	3	CORE	[Eng 101 Comp I (WI)]	3	For addition	onal information contact:	
Phys 160	General Physics I	3	CORE	[Psy 100 or Soc 110]	3		/azquez, Department Head	4
Comp 110	Programming I	3	Psy 120	College Orientation	1			
CORE	[Comm 100 Oral Comm]	3			15		eynolds Hall 212	
		17				Phone: 4	17.625.9540	
			2nd Semes	ter			zquez-j@mail.mssc.edu	
Sanhaman	Voor		Comp 210	Programming II	3	L man. va	Legasz je mammoododa	
Sophomore			Math 250	Calc W/Anal Geo II	5			
1st Semeste								
Math 260	Calc w/Anal Geo III	5	CORE	[Eng 102 Comp II (WI)]	3			
CORE	[Econ 180 Amer Econ Sys	3	Phys 151	Elem Col Phys I	5			
CORE	[Hist 110 U.S. History]	3			16			
CORE	[Kine 103 Lifetime Wellnes	ss] 2						

CORE CORE Phys 270 [Hist 110 U.S. History] 3 [Kine 103 Lifetime Wellness] 2 General Physics II 5

18

## 110 / Mathematics

Bachelor of Science in Education Major Code 9022 Mathematics Major Grades 9-12 Certification (Plan B) Single Teaching Field			
( 2)	omgre readining riola		
Freshman \			
Course		Hour	
Math 150	Calc w/Anal Geo I	5	
CORE	[Eng 101 Comp I (WI)]	3	
Psy 100	General Psychology	3	
CORE	[Kine 103 Lifetime Wellnes		
Educ 100	Orientation to Educ I	1	
Psy 120	College Orientation	1	
		15	
2nd Semest	er		
Math 250	Calc w/Anal Geo II	5	
Chem 101	General Chemistry I*	5	
CORE	[Eng 102 Comp II (WI)]	3	
Comp 110	Programming I	3	
CORE	[Kine 101 Physical Activity]		
		17	
Sophomore	Vear		
1st Semeste			
Take C-Bas			
Math 260	Calc w/Anal Geo III	5	
Phys 160	General Physics I	3	
CORE	[Comm 100 Oral Comm]	3	
CORE	[Area 2 Elective]	3	
Educ 200	Orientation to Educ II	1	
		15	
2nd Semest	er		
	Imission to Teacher Education	n.	
Math 300	Fund of Math Thought	3	
CORE	[Bio 101 General Biology]	4	
Psy 301	Adolescent Psychology	3	
CORE	[Hist 110 U.S. History]	3	
Phys 270	General Physics II	5	
		18	
Junior Year			
1st Semeste			
Pass media	competencies.		
Math 332	Geometry	3	
OR		-	
Math 361	Prob. & Statistics I	3	
Math 342 OR	Abstract Algebra	3	
Math 351	Linear Algebra	3	
Educ 321	Microteaching	2	
Educ 329	Ped Theo, Meth & Prac	4	
Educ 423	Classroom Management	2	
CORE	[Hist 120 or 320 U.S. Hist]	3	
		17	
0-40			
2nd Semest Math	er Electives**	2	
CORE	[PSc 120 Govt:US/Sta/Loc	3	
Psy 310	Educational Psychology	2	
Pay 202	Evantional Child	-	

**Exceptional Child** 

[Area 2 Elective]

[Area 2 Elective]

3

3

16

Psy 302

CORE

CORE

Senior Year		
1st Semeste	r	
Apply for adn	nission to student teaching. All d	cours
work must i	be completed except Profes	siona
Semester co	ourses.	
Math 332	Geometry	3
OR		
Math 361	Prob. & Statistics I	3
Math 342	Abstract Algebra	3
OR		
Math 351	Linear Algebra	3
CORE	[Area 5 Elective]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 422	Reading in the Content	
	Area: Secondary	2
Educ 301	Use of Comp Software	
	in the Classroom	3
		17
2nd Semeste	er	
Educ 339	Teaching Math in Sec Schools	s 3
Educ 402	Foundations of Education	2
Educ 432	Critical Issues	2
Educ 412	Individual Curriculum Dev (2	2)
OR Driv 440	Mana O Final	_
Psy 412	Meas & Eval	2

\*\*Electives must be approved by math adviser.

Student Teaching

8

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[Department Recommendations]

Educ 462

For additional information contact:
Juan Vazquez, Department Head

Office: Reynolds Hall 212 Phone: 417.625.9540

E-mail: vazquez-j@mail.mssc.edu

## **Course Descriptions**

Math 020 (F, S) 3 hrs. cr. **Beginning Algebra** 

Operations on signed numbers, linear equations and inequalities, systems of linear equations, polynomial arithmetic. No credit towards baccalaureate degree.

Math 025 (F, S) 2 hrs. cr. Accelerated Beginning Algebra

Linear equations and inequalities with applications, graphing linear equations, systems of linear equations and inequalities, exponents. Other topics may be covered as time permits. Designed as a preparation for intermediate algebra for those students already having mastered real number arithmetic and solution of basic linear equations. No credit toward baccalaureate degree. Prerequisite: One year of high school algebra and score of at least 16 on the Mathematics portion of the ACT or qualifying score on the Mathematics Placement test.

Math 030 (F, S) 3 hrs. cr. Intermediate Algebra

Factoring, operations on polynomials, radicals, quadratic equations. Prerequisite: One year of high school algebra and a score of 19 or above on the ACT Mathematics Section or qualifying score on departmental exam or Math 020 with a grade of "C" or better. No credit towards baccalaureate

Math 114 (Demand) 3 hrs. cr. **Technical Mathematics** 

Integrated study of algebra, geometry, and trigonometry for technical majors. Applications from various fields of technology. Prerequisite: One year of high school algebra and a score of 19 or above on the ACT Mathematics Section, or one year of high school algebra and a satisfactory score on the Mathematics Placement Test, or Math 020 with a grade of "C" or better.

Math 119 (F, S) 3 hrs. cr.

Mathematics for Elementary Teachers I

The real number system and its subsystems, relations and functions, numeration systems. Prerequisite: One year of high school algebra and one of the following: a) Math 030 with a grade of "C" or better, b) a score of 22 or above on the ACT Mathematics Section, or c) a qualifying score on the departmental placement exam. (Will not meet the General Education mathematics requirements for nonelementary education majors.)

Math 120 (F, S) 3 hrs. cr.

Math for Elementary Teachers II
A continuation of Math 119. Sets of points, metric
and non-metric geometry, probability. Recommended for prospective elementary teachers.
Prerequisite: Math 119 with a grade of "C" or
better or permission of department.

Math 125 (F, S, Sum) 3 hrs. cr. **Contemporary Mathematics** 

College mathematics with an introduction to various areas of mathematics, such as geometry, statistics, set theory, algebra, linear programming and other topics. Satisfies the requirement in mathematics for General Education. Prerequisite: (a) Math 030 with a grade of "C" or better, (b) a score of 22 or above on the ACT Mathematics Section, or (c) a qualifying score on the

Math 130 (F, S) 3 hrs. cr. College Algebra

departmental placement exam.

Functions and their graphs; polynomial, rational, exponential and logarithmic functions; systems of equations; the binomial theorem. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 131 (F, S) 3 hrs. cr. Finite Mathematics

Finite mathematics with algebra that is designed for business, social science and computer science students. Set theory, functions, matrices,

## Mathematics / 111

linear programming, probability and statistics, with applications. Prerequisite: Two units of high school algebra and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better.

Math 135 (F, S)

3 hrs. cr.

#### Trigonometry

Trigonometric functions, inverses and their graphs; trigonometric identities and equations; solution of the general triangle; complex numbers. Prerequisite: Two units of high school algebra, one unit high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 140 (F, S)

5 hrs. cr.

#### Algebra and Trigonometry

Equivalent of Math 112 and Math 130. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better. Only two hours credit for students with Math 135 or Math 130 credit. No credit for students with credit for Math 130 and Math 135.

Math 150 (F, S)

5 hrs. cr.

#### Calculus with Analytic Geometry I

Differentiation and integration of algebraic functions and plane analytic geometry using vectors. Prerequisite: One of the following (a) Math 140 with a grade of "C" or better (b) A score of 27 or higher on the ACT Mathematics Section and a qualifying score on the Mathematics Placement Test.

Math 250 (F, S)

5 hrs. cr.

#### Calculus with Analytic Geometry II

Differentiation and integration of transcendental functions and trigonometric functions, polar coordinates, theory of limits and continuity, parametric equations. Applications to physical problems. Prerequisite: Math 150 with a grade of "C" or better.

Math 260 (F, S)

#### Calculus with Analytic Geometry III

Solid analytic geometry, indeterminate forms, infinite series, partial differentiation and multiple integrals. Prerequisite: Math 250 with a grade of "C" or better.

Math 300 (S)

3 hrs. cr.

## **Fundamentals of Mathematical Thought**

Introduction to modern algebra, analysis and proofs; sets, logic, predicate calculus, relations, functions, logical development of number systems, cardinality and divisibility. Prerequisite or corequisite: Math 260 with a grade of "C" or better.

Math 302 (Demand)

3 hrs. cr.

#### **Applied Calculus**

Calculus applications of differentiation and integration in business, social sciences, life sciences and technical careers. Prerequisite: Math 130 or Math 131 with a grade of "C" or better or two years high school algebra and qualifying score on the Mathematics Placement Test. Will not count toward a major or minor in mathematics.

Math 310 (Demand)

**Elementary Statistics** 

Provides a basic statistical background for the various majors for advanced study in their specialties. Topics include data reduction, measures of central tendency, linear regression, correlation and hypothesis testing, with applications to social, managerial, biological and physical sciences. Prerequisite: Two years high school algebra or Math 130 with a grade of "C" or better. Will not count toward a major in mathematics.

Math 312

3 hrs. cr.

3 hrs. cr.

#### **Problems of Teaching Arithmetic** in the Elementary Schools

(See Educ 312 for description.) Will not count toward a major in mathematics.

Math 315 (Demand)

3 hrs. cr.

#### Algebraic Structures for Teachers

An introduction to modern algebra: Sets, relations and functions, groups, rings, integral domains, and fields. The course will emphasize activities that incorporate these topics in the middle school/junior high mathematics curriculum. Will not count toward a major in mathematics. Prerequisite: Math 150 with a grade of "C" or better.

Math 322 (S)

3 hrs. cr.

#### **Differential Equations**

Ordinary differential equations of first and second order, linear equations with constant coefficients, Laplace transforms, power series solutions, numerical solutions, with applications. Prerequisite: Math 260 with a grade of "C" or better.

Math 330 (F, Odd)

3 hrs. cr.

#### History of Math (Writing Intensive) A multicultural approach to the history of mathematics from the beginnings to the discovery of Calculus. A study of the people and ideas that have shaped events in mathematics history. Historical and contemporary problems that reinforce ideas and methods of the past and present. Construction of a world map depicting important times and places in history. Prerequisite: Math 250

Math 332 (F, Even)

with a grade of "C" or better.

3 hrs. cr.

#### Geometry

Geometric theory from a modern axiomatic viewpoint. Includes an introduction to finite, projective, Euclidean and non-Euclidean geometries. Prerequisite: Math 250 with a grade of "C" or better.

Math 339 (S)

3 hrs. cr.

#### **Teaching Mathematics** in Secondary Schools

Introduction to the instructional planning, materials and methods of teaching mathematics in the secondary schools. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics.

Math 342 (F, Odd)

Abstract Algebra

3 hrs. cr.

Number theory, equivalence and congruence, theory of groups, rings, ideals, integral domains and fields. Prerequisite: Math 300 with a grade of "C" or better.

Math 350 (S, Even)

3 hrs. cr.

#### Introduction to Numerical Analysis

Error analysis, solution of polynomial and transcendental equations, colocation polynomials, matrix methods, numerical differentiation and integration. Prerequisite: Math 250 with a grade of "C" or better and Comp 110 or higher with a grade of C or better.

Math 351 (F, Even)

3 hrs. cr.

#### Linear Algebra

Algebra of linear equations and matrices, vector spaces, linear mappings and transformations, determinants, bilinear and quadratic forms, linear functionals, vector inner products and cross products. Prerequisite: Math 300 with a grade of "C" or better.

Math 361 (F)

3 hrs. cr.

#### Probability and Statistics I

Theory of probability using concepts and methods of calculus. A study of discrete and continuous distributions. The central limit theorem. Prerequisite: Math 260 with a grade of "C" or better.

Math 371 (F, Odd)

3 hrs. cr.

#### Introduction to Operations

Research (Writing Intensive) Operations research/management science for computer science and mathematics students. Includes linear programming, project scheduling, Markov chains, queuing theory. Prerequisite: Math 260 with a grade of "C" or better and computer

Math 375 (Demand)

programming ability.

1 hr. cr.

### Seminar in Advanced Problem Solving

Techniques, strategies, and reasoning tools useful for solving sophisticated mathematical problems from various areas and combinations of areas of mathematics. Prerequisite: Math 300 with a grade of "C" or better.

Math 421 (S, Odd)

3 hrs. cr.

#### Introduction to Advanced Calculus

Methods of real analysis, basic topology of real numbers, sequences and series, the derivative and the Riemann integral. Prerequisite: Math 300 with a grade of "C" or better.

Math 452 (F, Even)

**Mathematical Models** (Writing Intensive) Applying mathematics in formulating and analyzing models for real world problems. Topics include game theory, graph models, deterministic and stochastic models and computer simulation. Prerequisite Math 260 with a grade of "C" or better and Comp 110 or higher with a grade of "C" or better.

## 112 / Mathematics, Music

Math 462 (S, Even)

3 hrs. cr.

#### **Probability and Statistics II**

Distributions of discrete and continuous random variables, sampling distributions and estimation of parameters. Investigation of the techniques of hypothesis testing, correlation and regression. Prerequisite: Math 361 with a grade of "C" or better.

Math 485 (S)

3 hrs. cr.

#### **Topics in Mathematics**

Advanced topics in mathematics. Each year a topic will be chosen from Complex Variables, Number Theory, Partial Differential Equations, Discrete Mathematics, Topology, and Numerical Analysis, with the possibility of additional topics subject to demand. Prerequisite: Math 260 with a grade of "C" or better, with additional prerequisites depending on the topic.

#### Math 498 (Demand)

1-3 hrs. cr.

#### Seminar in Mathematics

For upper division math or related majors. Regular meeting times per week are equal to the number of credit hrs. determined by the department for a given semester. Gives both broad and specialized knowledge of the discipline. Prerequisite: Advanced standing in major field and consent of department head.

#### Math 499 (Demand)

1-3 hrs. cr.

#### **Independent Study**

Course structured by the adviser with approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a grade point average of 3.0. Students must make application several weeks in advance. Registration must be approved by the adviser, department head and school dean. See department head for details.

## Music

Music Building 214, 417.625.9318

Faculty Wise - Head, Carnine, Clark, Elliott, Hukill, Liu, Raymond, Smith, Thelen

The department of music offers a bachelor of arts degree and a bachelor of science in education degree with a major in music. Each degree prepares graduates for performance, studio teaching, and/or continued study toward an advanced degree. In addition, the bachelor of science in education degree prepares graduates for teaching in public education.

Core Curriculum requirements for one course in Area 2, Humanities and Fine Arts, are fulfilled by Mus 110 Music Appreciation.

#### Bachelor of Arts with a Major in Music

Semester Hours			
	uirements (p. 33)	51	
	Literacy Requirement -		
	d by music department	2-3	
	anguage (four courses in		
one langu		12	
Music Red	quirements	65	
Mus 111	Music Theory	4	
Mus 112	Music Theory*	4	
Mus 182	Conducting Techniques		
Mus 211	Music Theory*	3	
Mus 212	Music Theory*	3	
Mus 240	Recital Attendance		
	(8 semesters)	Cr.	
Mus 311	History of Music*	3	
Mus 312	History of Music*	3	
Mus 420	Form and Analysis*	3	
Mus 433	Instr & Vocal Arranging*	4	
Mus 443	Advanced Choral		
	Conducting*	2	
Mus 444	Advanced Instrumental		
	Conducting*	2	
Mus 450	Senior Recital*	Cr.	
Large Mus	ic Ensemble		
	(8 semesters)***	8	
Private stu	dy in one area		
	(8 semesters)	16	
Applied ke	yboard elective (Except		

\*See Prerequisites

applied keyboard elective.)

\*\*Must include at least 40 upper division (300 - 400 level) hours.

keyboard majors)

(Keyboard majors must take 8 semester

hours of music electives in lieu of the

\*\*\*Must be taken the last eight semesters of residency.

#### Bachelor of Science in Education with a Major in Music

Grades Pre K-12 Certification

Plan B Single Teaching Field
Option 1 Instrumental Emphasis

Semester Hours

130-131\*\*

Core Requirements (p. 33) 51*		48
Music Requirements		
Mus 111	Music Theory	4
Mus 112	Music Theory**	4
Mus 182	Conducting Technique	s** 2

Mus 211	Music Theory**	3
Mus 212	Music Theory**	3
Mus 231	String Techniques	1
Mus 232	Brass Techniques	1
Mus 233	Percussion Techniques	3
	(Not open to percussion	n
	majors. Percussion ma	jors
	must substitute a 2nd se	)-
	mester of Mus 232 or 23	34.)1
Mus 234	Woodwind Techniques	1
Mus 240	Recital Attendance	
	(7 semesters)	Cr.
Mus 311	History of Music**	3
Mus 312	History of Music**	3
Mus 333	Music for the	
	Elementary Grades***	2
Mus 411	Marching Band Method	ls**2
Mus 413	Instrumental Music Metho	ods2
Mus 420	Form and Analysis**	3
Mus 433	Inst. & Vocal Arranging	
Mus 444	Advanced Instrumental	
	Conducting**	2
Mus 450	Senior Recital**	Cr.
Mus	Piano/Wind Instrument*	*** 2

\*\*\*\*(a) Instrumental major, other than piano: two semester hours of piano study or the equivalent (Class piano may be included).

(b) Keyboard major: two semester hours of private study on a wind instrument or the equivalent.

Private study as a major in one area (7 semesters) 14
Large Ensemble (7 semesters)\*\*\*\*\* 7
Brass, woodwind or percussion major: the seven semesters of large ensemble must be in band.

String Major: the seven semesters of large ensemble must be in orchestra.

Education Certification Requirements (p. 167) 39-42

\*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum, Area 3C.

\*\*See Prerequisites

\*\*\*Must be completed prior to the Professional Semester of supervised teaching.

\*\*\*\*\*Must be taken the seven semesters immediately prior to the student teaching semester.

Hours

14-15

# Bachelor of Science in Education with a Major in Music Grades Pre K-12 Certification Plan B Single Teaching Field Option II Vocal Emphasis

Semester Hours

В	Core Requ	irements (p. 33) 51*	4	48
	Music Req	uirements	(	64
	Mus 111	Music Theory	4	
	Mus 112	Music Theory**	4	
	Mus 182	Conducting Techniques*	* 2	
	Mus 211	Music Theory**	3	
	Mus 212	Music Theory**	3	
	Mus 240	Recital Attendance		
		(7 semesters)	Cr.	
	Mus 309	Choral Techniques	2	
	Mus 311	History of Music**	3	
	Mus 312	History of Music**	3	
	Mus 333	Music for the		
		Elementary Grades***	2	
,	Mus 409	Choral Literature	2	
	Mus 420	Form and Analysis**	3	
	Mus 433	Inst. & Vocal Arranging**	4	
	Mus 443	Advanced Choral		
		Conducting*	2	
	Mus 450		Cr.	
	Mus	Piano/Voice****	6	

\*\*\*\*(a) Keyboard Major: six semester hours of private voice study or the equivalent.
(b) Voice Major: six semester hours of piano study or the equivalent (two semesters of private study following the satisfactory completion of four semesters of Mus 113).

Private study as a major in one	
area (7 semesters)	14
Concert Chorale (7 semesters)*****	7
<b>Education Certification Requirem</b>	ents
(p. 167)	39-42
	51-154

\*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

\*\*See Prerequisites

\*\*\*Must be completed prior to the Professional Semester of supervised teaching.

\*\*\*\*\*\*Must be taken the seven semesters immediately prior to the student teaching semester.

#### Bachelor of Science in Education with a Major in Music Grades Pre K-12 Certification Plan B Single Teaching Field Option III Double Certification

Se	mester Hours
Core Requirements (p. 33)	51* 48
Music Requirements	81
All of the requirements listed	for
Option I and Option II, either	(a) or
(b), with the exception of the	
applied major requirement.	86
Private study as an applied n	najor
in one primary area (7 semes	•
Private study as an applied e	lective
in one secondary area (4 ser	nesters) 8
A proficiency test in the seco	ndary
major area must be passed b	efore
graduation.	
A senior recital will be require	ed only in

the primary applied area.

Education Certification Requirements
(p. 167)

39-42
169-170

\*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

#### Minor in Music

	Semest	ter Hours
Mus 111	Music Theory	4
Mus 112	Music Theory	4
Large Ense	emble	4
Applied Mu	isic Elective (2 Seme	sters) 2
Music Elec	tives*	7
		21

\*Must be made with prior approval of music adviser, 6 must be upper division.

#### Suggested Order of Study

#### Bachelor of Arts Major Code 1005 Music Major

Mus 111 Music Theory

#### Freshman Year 1st Semester

Course

Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Eng 101 Comp I]	3
CORE	[Mus 110 Music Apprec]	3
Psy 120	College Orientation	1
		15-16
2nd Seme	ster	
Mus 112	Music Theory	4
Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Eng 102 Comp II]	3
CORE	[Math 125 Cont Math]	3

#### Sophomore Year

Sophomor	e rear	
1st Semest	er	
Mus 211	Music Theory	3
Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
CORE	[Hist 110 U.S. History]	3
CORE	[Econ 180 Amer Econ Sys]	3
	16	5-17

#### 2nd Semester

Zila Collica	101	
Mus 182	Conducting Tech	2
Mus 212	Music Theory	3
Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	2
CORE	[Hist 120 U.S. History]	3
CORE	[Bio 101 General Biology]	4
CORE	[Psy 100 Gen Psychology]	3
		20-21

#### Junior Year

1st Semes	ter	
Mus 420	Form, Analysis	3
Mus	Applied Music Major	2
Mus 444	Adv Instru Conducting	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Comm 100 Oral Comm]	3
Foreign La	nguage	3
_		15-16

## 114 / Music

	ester		CORE	[Math 125 Cont Math]	3	Senior Ye	ar	
Aus 443	Adv Choral Conducting	2	CORE	[Econ 180 Amer Econ Sys]	3	1st Semes		
lus	Applied Music Major	2	CORE	[Art 110 or TH 110]	3	Apply for a	admission to Student Teaching	. All
lus 240	Recital Attendance	Cr			20		rk must be completed except	
us	App Piano or Mus Elective	1-2					nal Semester courses.	
us	Large Ensemble	1	Sophomo	re Year		Mus 321	Concert Chorale	1
ORE	[Art 110 or Th 110]	3	1st Semes			Mus 427	Applied Music Major Piano	2
	anguage	3	Take C-Ba			Mus 450	Senior Recital	Cr
ORE	[Eng 281 or 282 Lit]	3	Mus 310	Choral Techniques	2	Mus 240	Recital Attendance	Cr
SITE		5-16	Mus 211	Music Theory	3	Psy 310	Educational Psychology	2
	•	3-10	Mus 227	Applied Music Major Piano	2	CORE	[Phys 100 Fund of Phys Sci]	
nior Ye	202		Mus 165	Applied Music Voice	1	Educ 301	Use of Comp Software in Cla	
t Semes			Mus 122	Concert Chorale	1	Educ 422	Tching Rding in Sec Sch	2
		2		Recital Attendance		Mus 433	Arranging	4
us 311	History of Music	3	Mus 240 CORE		Cr	Mus 433	Arranging	19
IS	Applied Music Major	2		[Kine 103 Lifetime Wellness]	2			19
us 240	Recital Attendance	Cr	CORE	[Kine 101 Physical Activity]	1	Ond Come	atar	
SL	App Piano or Mus Elective	1-2	CORE	[Eng 281 or 282 Lit]	3	2nd Seme		
ıs	Large Ensemble	1	Educ 200	Orientation to Educ II	1	Mus 335	Tching Music in Sec School	2
ORE	[Phys 100 Fund of Phys Sci]		Educ 302	Exceptional Child	2	Educ 402		2
0	anguage	3	CORE	[Hist 110 U.S. History]	3	Educ 432	Critical Issues in Educ	2
us 433	Arranging	4			21	Educ 412	Individual Curriculum Dev (2	)
	1	9-20				OR		
			2nd Semes	ster		Educ 420	Intro to Counseling* (3)	
d Seme	ster		Apply for a	dmission to teacher education.		OR		
is 312	History of Music	3	Mus 182	Conducting Tech	2	Psy 412	Meas & Eval (2)	2-3
IS	Applied Music Major	2	Mus 212	Music Theory	3	Educ 464	Student Teaching	8
ıs 240	Recital Attendance	Cr	Mus 228	Applied Music Major Piano	2		1	6-17
us 450	Senior Recital	Cr	Mus 166	Applied Music Voice	1			
IS	Large Ensemble	1	Mus 121	Concert Chorale	1	[Departme	ent Recommendations]	
DRE	[PSc 120 Gov't: U.S./Sta/Loc		Mus 240	Recital Attendance	Cr		aken at night, semester prior to	studer
luc 301	Use of Comp Software in	, ,	Mus 409	Choral Literature	2	teaching.	anon arrigin, competer phories	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Class (or computer course		CORE	[Comm 100 Oral Comm]	3	todoming.		
	approved by music dept.)	3	CORE	[Bio 101 General Biology]	4			
ORE	[Anth 342 Compar Cultures]	3	CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3	Pachalas	r of Science in Education	
		3	CORE	[F3C 120 GOV I. 0.3./3ta/L0C]	21			
oreign La	anguage				21	Major Co		
	ant Decemendational	18	Innian Va			Music Ma	ajor	
epartme	ent Recommendations]		Junior Ye			Grades F	Pre K-12 Certification	
			1st Semes			(Plan B)	Single Teaching Fiel	d
				a competencies.		,	d Major with Instrumenta	
			Mus 311	History of Music	3			
acheloi	r of Science in Education		Mus 420	Form & Analysis	3	Emphasi	IS	
ajor Co	ode 9032		Mus 427	Applied Music Major Piano	2			
usic Ma	aior		Mus 365	Applied Music Voice	1	Freshman		
Plan B)	•	d	Mus 321	Concert Chorale	1	1st Semes	ster	
	Pre K-12 Certification	_	Mus 240	Recital Attendance	Cr	Course		Hour
			Educ 329	Ped Theo Meth & Prac	4	Mus 111	Music Theory	4
	d Major with Vocal Emph	asis	Educ 321	Microteaching	2	Mus 227	Applied Music Major Piano	2
			Educ 423	Classroom Management	2	Mus 191	Marching Band	1
eyboar					18	Mus 240	Recital Attendance	Cr
eyboar	n Year					CORE	[Eng 101 Comp I]	3
eyboar eshman				ster		Psy 120	College Orientation	1
eyboar reshman at Semes	ster	Hours	2nd Seme		2	CORE	[Mus 110 Music Apprec]	3
eyboar eshman t Semes ourse	ster	Hours 4	2nd Seme					3
eshman t Semes ourse us 111	ster  Music Theory	4	Mus 443	Adv Choral Conducting			General Psychology	
eshman t Semes ourse us 111 us 227	ster Music Theory Applied Music-Major Piano		Mus 443 Mus 312	Adv Choral Conducting History of Music	3	Psy 100	General Psychology	1
eshman t Semes ourse us 111 us 227 us 121	ster  Music Theory  Applied Music-Major Piano  Concert Chorale	4 1 1	Mus 443 Mus 312 Mus 428	Adv Choral Conducting History of Music Applied Music Major Piano				1
eshman t Semes ourse us 111 us 227 us 121 us 240	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance	4 1 1 Cr	Mus 443 Mus 312 Mus 428 Mus 366	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice	3 2 1	Psy 100		18
eshman t Semes ourse us 111 us 227 us 121 us 240 ORE	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I]	4 1 1 Cr 3	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale	3 2 1 1	Psy 100 Educ 100	Orientation to Educ I	
eshman t Semes ourse us 111 us 227 us 121 us 240 DRE by 120	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation	4 1 1 Cr 3 1	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance	3 2 1 1 Cr	Psy 100 Educ 100 2nd Seme	Orientation to Educ I	18
eshman es	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	4 1 1 Cr 3 1 3	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades	3 2 1 1 Cr 2	Psy 100 Educ 100 2nd Seme Mus 112	Orientation to Educ I ster Music Theory	18
eshman t Semes burse us 111 us 227 us 121 us 240 DRE by 120 DRE	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	4 1 1 Cr 3 1 3	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures]	3 2 1 1 Cr 2 3	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228	Orientation to Educ I ster Music Theory Applied Music Major Piano	18
eshman t Semes burse us 111 us 227 us 121 us 240 DRE by 120 DRE	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	4 1 1 Cr 3 1 3	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades	3 2 1 1 Cr 2	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192	Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band	18 4 2 1
eshman t Semes burse us 111 us 227 us 121 us 240 DRE by 120 DRE duc 100	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	4 1 1 Cr 3 1 3	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures]	3 2 1 1 Cr 2 3	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240	Orientation to Educ I  ster  Music Theory  Applied Music Major Piano  Concert Band  Recital Attendance	18 4 2 1 Cr
reshman at Semes burse us 111 us 227 us 121 us 240 ORE by 120 ORE duc 100	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	4 1 1 Cr 3 1 3 1	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	3 2 1 1 Cr 2 3	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192	Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band	18 4 2 1 Cr 3
reshman et Semes ourse us 111 us 227 us 121 us 240 ORE sy 120 ORE duc 100	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	4 1 1 Cr 3 1 3 1 16	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	3 2 1 1 Cr 2 3 4	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240	Orientation to Educ I  ster  Music Theory  Applied Music Major Piano  Concert Band  Recital Attendance	18 4 2 1 Cr 3 2
reshman at Semes burse us 111 us 227 us 121 us 240 ORE sy 120 ORE duc 100	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	4 1 1 Cr 3 1 3 1	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	3 2 1 1 Cr 2 3 4	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE	Ster Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II]	18 4 2 1 Cr
reshman et Semes ourse us 111 us 227 us 121 us 240 ORE ety 120 ORE duc 100	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	4 1 1 Cr 3 1 3 1 16	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	3 2 1 1 Cr 2 3 4	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE CORE	Orientation to Educ I  ster  Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity]	18 4 2 1 Cr 3 2
	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	4 1 1 Cr 3 1 3 1 16	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	3 2 1 1 Cr 2 3 4	Psy 100 Educ 100  2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE CORE CORE	Orientation to Educ I  ster  Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math]	18 4 2 1 Cr 3 2 1 3
reshman st Semes ourse us 111 us 227 us 121 us 240 ORE sy 120 ORE duc 100 and Seme us 112 us 228 us 166	Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I  ester Music Theory Applied Music Major Piano Applied Music Voice	4 1 1 Cr 3 1 3 1 16	Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	3 2 1 1 Cr 2 3 4	Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE CORE	Orientation to Educ I  ster  Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity]	18 4 2 1 Cr 3 2

## **Music** / 115

Sophomo			Psy 310	Educational Psychology	2	Educ 200	Orientation to Educ II	1
1st Semes			CORE	[Phys 100 Fund of Phys Sci]		Educ 302	Exceptional Child	2
Take C-Ba			Educ 301	Use of Comp Sftwr in Clsrm	(or	CORE	[Econ 180 Amer Econ Sys]	3
	234 Brass/Woodwind Tech	1		computer course approved		CORE	[Hist 110 U.S. History]	3
Mus 211	Music Theory	3	F-1 400	by music dept.)	3			21
Mus 227	Applied Music Major Piano	2 Cr	Educ 422		2	2nd Seme	atar	
Mus 240 CORE	Recital Attendance	3	Mus 433	Arranging	21		ster admission to Teacher Education	n
	[Hist 110 U.S. History]	1			21	Mus 113	Class Piano	1
Educ 200			2nd Seme	otox		Mus 212	Music Theory	3
Educ 302		2			0		,	
Mus 191	Marching Band	1	Mus 335	Tchng Mus in Sec School	2	Mus 268	Applied Music Voice	2
Psy 305	Child/Adolescent Dev	4		Foundations of Educ	2	Mus 122	Concert Chorale	•
		17		Critical Issues in Educ	2	Mus 182	Conducting Tech	2 Cr
Ond Come	atas		OR	Individual Curriculum Dev (2	2)	Mus 240 Mus 409	Recital Attendance Choral Literature	2
2nd Seme				Intro to Counceling (2)*		CORE	[Bio 101 General Biology]	4
, , ,	admission to teacher education			Intro to Counseling (3)*		CORE	[Comm 100 Oral Comm]	3
	233 String/Percussion Tech	1	OR Box 410	Mass 8 Fuel (2)	0.0			3
Mus 182	Conducting Tech	2	Psy 412	Meas & Eval (2)	2-3	Psy 100	General Psychology	21
Mus 212	Music Theory	3	Educ 464	Student Teaching	_			21
Mus 228	Applied Music Major Piano	2	(D		6-17	Lunian Wa		
Mus 192	Concert Band	1		nt Recommendations]		Junior Ye		
Mus 240	Recital Attendance	Cr		t night only, must be taken ser	mester	1st Semes		
CORE	[Hist 120 U.S. History]	3	prior to stu	dent teaching.			ia competencies.	0
CORE	[Bio 101 General Biology]	4				Mus 311	History of Music	3
CORE	[Comm 100 Oral Comm]	3	Destal	of Colomos in Educati		Mus 420	Form & Analysis	3
CORE	[Eng 281 or 282 Lit]	3		of Science in Education		Mus 467	Applied Music Voice	2
		22	Major Co			Mus 325	Applied Music Keyboard	1
			Music Ma	ajor		Mus 321	Concert Chorale	1
Junior Ye			(Plan B)	Single Teaching Fiel	d	Mus 240	Recital Attendance	Cr
1st Semes			Grades F	Pre K-12 Certification		Educ 329	Ped Theo Meth & Prac	4
	lia competencies.		Vocal Ma			Educ 321		2
	234 Brass/Woodwind Tech	1	VOCAI IVIA	1,01		Educ 423	Classroom Management	2
Mus 411	0	2	Freshman	Voor		CORE	[Anth 342 Comp Cultures]	3
Mus 444	Adv Instru Conducting	2						21
Mus	App Mus Woodwind/Brass	1	1st Semes	ter	Hours			
Mus 311	History of Music	3	Course	Music Theory	Hours	2nd Semes		
Mus 420	Form & Analysis	3	Mus 111	Music Theory	4	Mus 312	History of Music	3
Mus 427	Applied Music Major Piano	2	Mus 267	Applied Music Voice		Mus 468	Applied Music Voice	2
Mus 391	Marching Band	1	Mus 113	Class Piano	1	Mus 326	Applied Music Keyboard	1
Mus 240	Recital Attendance	Cr	Mus 121	Concert Chorale		Mus 322	Concert Chorale	1
Educ 329	Ped Theo Meth & Prac	4	Mus 240	Recital Attendance	Cr	Mus 240	Recital Attendance	Cr
Educ 321	Microteaching	2	CORE	[Eng 101 Comp I]	3	Mus 333	Music in Elem Grades	2
Educ 423	Classroom Management	2	Psy 120	College Orientation	1	Mus 443	Adv Choral Conducting	2
		23	CORE	[Mus 110 Music Apprec]	3	CORE	[PSc 120 Gov't: U.S./Sta/Loc]	
			Educ 100	Orientation to Educ I	1	Psy 305	Child/Adolescent Dev	4
					16	CORE	[Hist 320 U.S. History]	3
2nd Seme			0-10	-4				21
Mus 231/2	233 String/Percussion Tech	1	2nd Seme					
Mus	App Mus Woodwind/Brass	1	Mus 112	Music Theory	4	Senior Ye		
Mus 312	History of Music	3	Mus 268	Applied Music Voice	2	1st Semes		
Mus 428	Applied Music Major Piano	2	Mus 113	Class Piano	1		student teaching. All courses m	
Mus 392	Concert Band	1	Mus 122	Concert Chorale	1		except for Professional Semeste	er.
Mus 240	Recital Attendance	Cr	Mus 240	Recital Attendance	Cr	Mus 321	Concert Chorale	1
Mus 333	Music in Elem Grades	2	CORE	[Eng 102 Comp II]	3	Mus 467	Applied Music Voice	2
CORE	[Psc 120 Gov't: U.S./Sta/Loc]	3	CORE	[Kine 103 Lifetime Wellness]		Mus 450	Senior Recital	Cr
CORE	[Art 110 or Th 110]	3	CORE	[Kine 101 Physical Activity]	1	Mus 240	Recital Attendance	Cr
CORE	[Anth 342 Comp. Cultures]	3	CORE	[Math 125 Cont Math]	3	Mus 433	Arranging	4
		19	CORE	[Art 110 or TH 110]	3	CORE	[Phys 100 Fund of Phys Sci]	5
					20	Educ 301	Use of Comp Sftwr in Clsrm	3
Senior Ye	ear					Educ 422	Tchng Rdng in Sec Sch	2
Selliol 16			Sophomo			Psy 310	Education Psychology	2
1st Semes	dmission to student teaching. All	course	1st Semes					19
1st Semes			Take C-Ba					
1st Semes Apply for a	t be completed except Profe		84 040	Choral Techniques	2	2nd Semes	ster	
1st Semes Apply for a	t be completed except Profe courses.		Mus 310	·				-
1st Semes Applyfor a work mus	courses.	1	Mus 113	Class Piano	1	Mus 335	Tchng Music in Sec School	2
1st Semes Applyfora work mus Semester Mus 391				Music Theory	3	Mus 335 Educ 402	Tchng Music in Sec School Foundations of Educ	2
1st Semes Applyfor a work mus Semester Mus 391 Mus 413	courses.  Marching Band Instrumental Music Methods	1	Mus 113	Music Theory Applied Music Voice	3	Educ 402		
1st Semes Applyfor a work mus Semester Mus 391 Mus 413 Mus 427	courses. Marching Band	1 2	Mus 113 Mus 211	Music Theory Applied Music Voice Concert Chorale	3 2 1	Educ 402	Foundations of Educ	2
1st Semes Applyfor a work mus Semester Mus 391 Mus 413	courses.  Marching Band Instrumental Music Methods Applied Music Major Piano	1 2 2	Mus 113 Mus 211 Mus 267	Music Theory Applied Music Voice	3	Educ 402	Foundations of Educ	2

## 116 / Mucio

CORE

CORE

[Econ 180 Amer Econ Sys]

3 20

[Comm 100 Oral Comm]

116	<i>Music</i>					
Educ 412	Individual Curriculum Dev (2)	)	2nd Seme			2
OR				admission to Teacher Education		ſ
Educ 420	Intro to Counseling (3)*		Mus 113	Class Piano	1	
OR Psy 412	Meas & Eval (2)	2.2	Mus 182 Mus 212	Conducting Tech Music Theory	2	1
Educ 464	1 /	2-3	Mus	Applied Music Major	2	
Luuc 404	-	6-17		33 String/Percussion Tech	1	ì
		0-17	Mus 192	Concert Band (1)	•	
*Offered a	t night only, must be taken se	mester	OR	Concert Bana (1)		1
	dent teaching.		Mus 152	Orchestra (1)	1	
	nt Recommendations]		Mus 240	Recital Attendance	Cr	
			CORE	[Hist 110 U.S. History]	3	
			CORE	[Bio 101 General Biology]	4	1
Bachelor	of Science in Education		Psy 305	Child/Adolescent Dev	4	1
Major Co	de 9030				21	
Music Ma	ajor .					- 1
	Pre K-12 Certification		Junior Ye			
(Plan B)		ld	1st Semes			1
	ental Major			ia Competencies.	4	
			Mus 311	34 Brass/Woodwind Tech History of Music	1	-
Freshman	Year		Mus 420	Form & Analysis	3	
1st Semes	ter		Mus	Applied Music Major	2	
Course		Hours	Mus 411	Marching Band Methods	2	
Mus 111	Music Theory	4	Mus 391	Marching Band (1)	_	
Mus	Applied Music Major	2	OR	(1)		
Mus 113	Class Piano	1	Mus 351	Orchestra (1)	1	
Mus 191	Marching Band (1)		Mus 240	Recital Attendance	Cr	
OR	0 1 10		Mus 444	Adv Instru Conducting	2	
Mus 151	Orchestra (1)	1	Educ 329	Ped Theo Meth & Prac	4	
Mus 240	Recital Attendance	Cr	Educ 321	Microteaching	2	
CORE Psy 120	[Eng 101 Comp I] College Orientation	3	Educ 423	Classroom Management	2	
CORE	[Mus 110 Music Apprec]	3			22	
Psy 100	General Psychology	3	Ond Come	-1		1
Educ 100	Orientation to Educ I	1	2nd Seme	33 String/Percussion Tech	1	1
		19	Mus 312	History of Music	3	
			Mus	Applied Music Major	2	1
2nd Seme	ster		Mus 392	Concert Band (1)	_	
Mus 112	Music Theory	4	OR	(1)		i
Mus	Applied Music Major	2	Mus 352	Orchestra (1)	1	
Mus 113	Class Piano	1	Mus 240	Recital Attendance	Cr	
Mus 192	Concert Band (1)		Mus 333	Music in Elem Grades	2	
OR Mus 152	Orchantra (1)	4	CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3	-
Mus 240	Orchestra (1) Recital Attendance	1 Cr	CORE	[Anth 342 Compar Cultures]	3	
CORE	[Eng 102 Comp II]	3	Educ 422	Tchng Rdng in Sec Sch	2	
CORE	[Kine 103 Lifetime Wellness]	2			17	į
CORE	[Kine 101 Physical Activity]	1	Senior Ye	0.5		-
CORE	[Math 125 Cont Math]	3	1st Semes			
CORE	[Art 110 or TH 110]	3		dmission to student teaching. All o	course	
		20		t be completed except Profes		
			Semester		0,0,,,,,	
Sophomo			Mus 391	Marching Band (1)		
1st Semes			OR			1
Take C-Ba			Mus 351	Orchestra (1)	1	
Mus 113	Class Piano	1	Mus 413	Instrumental Music Methods	2	1
Mus 211	Music Theory	3	Mus	Applied Music Major	2	
Mus Mus 191	Applied Music Major Marching Band (1)	2	Mus 450	Senior Recital	Cr	i
OR	watering band (1)		Mus 240	Recital Attendance	Cr	
Mus 151	Orchestra (1)	1	Mus 433	Arranging	4	
	34 Brass/Woodwind Tech	1	Psy 310	Educational Psychology	2	
Mus 240	Recital Attendance	Cr	CORE Educ 301	[Phys 100 Fund Phys Sci] Use of Comp Sftwr in Clsrm	5	
CORE	[Eng 281 or 282 Lit]	3	CORE	[Hist 320 U.S. History]	3	
Educ 200	Orientation to Educ II	1	OUTL	[First O20 O.O. Firstory]	22	
Educ 302	Exceptional Child	2				-

2nd Semes		
Mus 335	Tching Music in Sec Sch	2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues in Educ	2
Educ 412 OR	Individual Curriculum De	v (2)
Educ 420 OR	Intro to Counseling (3)*	
Psy 412	Meas & Eval (2)	2-3
Educ 464	Student Teaching	8
		16-17

\*Offered at night only, must be taken semester prior to student teaching.

[Department Recommendations]

For additional information contact:

Phillip Wise

Office: Music Building 216 Phone: 417.625.9318 FAX: 417.625.3030

E-mail: wise-p@mail.mssc.edu

## Course Descriptions

Mus 102, 302, 202, 402 (S) 1 hr. cr. **Opera or Musical Theatre Performance** 

Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)

Mus 110 (F, S) 3 hrs. cr. **Music Appreciation** 

Designed to give the non-music major an insight into musical masterpieces from all eras of music literature.

Mus 111 (F) 4 hrs. cr.

**Music Theory** 

Basic fundamentals of music with initiation of harmonic analysis and partwriting. Basic course for music majors; others by consent of instructor.

Mus 112 (S) 4 hrs. cr.

**Music Theory** 

Sequential course in written harmony, including inversion, seventh chords and non-harmonic tones. Prerequisite: Mus 111.

Mus 113 (F, S) 1 hr. cr. Class Piano

Reading skills, fundamental piano technique, basic musicianship and elementary repertoire. Material studied varies in accordance with educational purpose.

Mus 121, 321, 122, 322 Mus (F, S) 1 hr. cr. **Concert Chorale** 

Open to all college students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 133 (F) 2 hrs. cr.

Opera

History, production and performance of one act operas, operatic excerpts, musicals and light opera. Academic concentration the first six weeks on opera history and opera production with the last 10 weeks focusing upon the particular opera selected for production the spring semester of that year.

Mus 141, 341, 142, 342 (F, S) 1 hr. cr. **Jazz Orchestra** 

A stage band open to all students who are qualified instrumentalists. The Jazz Band will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Each class may be repeated four times for credit. Corequisite: Mus 191, 391, 192 or 392.

Mus 151, 351, 152, 352 (F, S) 1 hr. cr. **Orchestra** 

Audition is available to all college students who play an orchestral instrument. The orchestra will present public concerts, performing standard and orchestral literature. Prerequisite: Audition. Each class may be repeated four times for credit.

Mus 161, 361, 162, 362 (F, S) 1 hr. cr. **Southern Exposure** 

Small select ensemble. Performs all literature from madrigal to modern music, written for small vocal ensemble. Prerequisite: Audition. Each class may be repeated four times for credit. Corequisite: Mus 121, 122, 321 or 322.

Mus 171, 371, 172, 372 (F, S)(Demand) 1 hr. cr. **Brass Choir** 

Open to all students with band instrument experience. Performance of literature for brass ensemble. Each class may be repeated four times for credit

Mus 182 (S) 2 hrs. cr.

Conducting Techniques

Baton technique, factors in interpretation, score reading and rehearsal procedures for instrumental and vocal organizations. Included is experience conducting live rehearsals. Prerequisite: Mus 211.

Mus 191, 391 (F) 1 hr. cr.

Marching Band

Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission

of instructor. Each class may be repeated four times for credit.

Mus 192, 392 (S) 1 hr. cr.

**Concert Band** 

Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 211 (F) 3 hrs. cr.

Music Theory

Secondary dominant functions, augmented sixth chords, advanced chromatic and enharmonic modulation, introduction to contemporary styles and short original compositions. Prerequisite: Mus 112.

Mus 212 (S) 3 hrs. cr. **Music Theory** 

A study of selected contemporary styles: pantriadie, bitonal and polychordal, quartal harmony, pandiatonicism, serial techniques and short original compositions. Prerequisite: Mus 211.

Mus 215 (Demand) 2 hrs. cr. Vocal Pedagogy

An introduction to the science and teaching of singing. Emphasis is placed upon the study of the physiology and anatomy, breathing and phonation, and acoustics of the vocal instrument as well as the pedagogical approaches to training the singing voice.

Mus 219 (Demand) 2 hrs. cr.

**Vocal Diction and Literature** 

Applied voice students receive instruction in the correct pronunciation of English, Italian, French, German and Ecclesiastical Latin as used in the study of vocal literature.

Mus 231 (S) 1 hr. cr.

String Techniques

Class instruction in the string instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 232 (F) 1 hr. cr.

**Brass Techniques** 

Class instruction in the brass instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 233 (S) 1 hr. cr.

Percussion Techniques

(Not open to percussion majors)

Class instruction in the percussion instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 234 (F) 1 hr. cr.

**Woodwind Techniques** 

Class instruction in the woodwind instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 240 (F, S) 0 hrs. cr. Recital Attendance

Attendance at designated afternoon and evening recitals and concerts is required of all music majors each semester. Corequisite: Music major (major code of 0856, 0866, or 1005.)

Mus 243 (F)
Musical Theatre

3 hrs. cr.

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production in the spring semester of that school year. Course

Mus 298 (Demand) 1-3 hrs. cr.

Selected Topics in Music

also offered under Th 243.

Study of special topics in music not included in another course. Prerequisite: Permission of instructor

Mus 309 (F) 2 hrs. cr.

**Choral Techniques** 

Designed to formulate principles for directing secondary and adult choral ensembles. Covers motivational techniques, including body language, verbal skills, understanding of the vocal mechanism and the function of rhythm in the musical phrase. Explores various organizational methods, rehearsal procedures and teaching materials. Also includes conducting techniques conducive to encouraging proper vocal technique. Prerequisite: Mus 182.

Mus 311 (F) 3 hrs. cr.

**History of Music** 

General survey of history of music from Greek period to 18th century. Prerequisite: Mus 112.

Mus 312 (S) 3 hrs. cr.

**History of Music** 

From 18th century to the present. Score reading required. Prerequisite: Mus 112.

Mus 332 (F, S) 2 hrs. cr.

Music for the Elementary School

Methods of teaching music in the elementary classroom and a study of materials to be used.

Mus 333 (Demand) 2 hrs. cr.

Music for the Elementary Grades

Methods of teaching music in the elementary classroom and a study of materials to be used. Restricted to music majors and advanced music students. Prerequisite: Mus 112.

Mus 409 (S) 2 hrs. cr.

**Choral Literature** 

Study of choral and vocal chamber literature from the early Renaissance through the twentieth century. Concentrate on performance styles of various types of choral literature. Prerequisite: Mus

Mus 411 (F) 2 hrs. cr.

**Marching Band Methods** 

Procedures needed in organization, promotion, equipping, rehearsing and performance of a marching band including study of musical repertoire and charting of field maneuvers. For music majors; others by consent of instructor. Prerequisite: 2 semesters marching band. Corequisite: Mus 391.

## 118 / Music, Paralegal Studies

Mus 413 (F) Instrumental Music Methods

Acquaints instrumental music education majors with the administration and supervision of the instrumental program through the high school level. Content includes curriculum, schedules, budget, instructional techniques, classroom management, public relations, philosophy, and psychology as they relate to instrumental music education. Prerequisite: Mus 182.

Mus 420 (F)

3 hrs. cr.

#### Form and Analysis

Harmonic and formal analysis of composition from the Baroque Era through contemporary music. Prerequisite: Mus 212.

Mus 433 (S)

#### Instrumental and Vocal Arranging

An in-depth study of wind, string, and percussion instruments. Scoring for various instrumental and vocal combinations. Prerequisite: Mus 211.

Mus 443 (S)

#### **Advanced Choral Conducting**

Conducting techniques specifically related to choral music. Prerequisite: Mus 182

Mus 444 (F)

2 hrs. cr.

#### **Advanced Instrumental Conducting Techniques**

Conducting skills, including irregular beat patterns, advance technical problems, and methods developed for solving them. Prerequisite: Mus 182.

Mus 450 (F,S)

0 hrs. cr.

#### Senior Recital

A solo recital is required of all music majors. The recital is to be given within the last year of residency, Corequisite: Mus 417, 427, 437, 447, 467, 418, 428, 438, 448, 458, or 468.

Mus 498 (Demand)

1-3 hrs. cr.

#### Seminar in Music

For upper division music majors or related majors. Topics and methods not included in other courses. Permission of instructor is required.

Mus 499 (Demand)

1-3 hrs. cr.

Independent Study

Designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Prerequisite: See "General Regulations" in the catalog.

#### Applied Music Elective (Private Lessons)

Private study in: Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

Mus 115	Applied Music Brass Elective	1 hr. cr.
Mus 125	Applied Music Keyboard Elective	1 hr. cr.
Mus 135	Applied Music Percussion Elective	1 hr. cr.
Mus 145	Applied Music String Elective	1 hr. cr.
Mus 155	Applied Music Woodwind Elective	1 hr. cr.
Mus 165	Applied Music Voice Elective	1 hr. cr.
Mus 116	Applied Music Brass Elective	1 hr. cr.
Mus 126	Applied Music Keyboard Elective	1 hr. cr.

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Mus 136 Applied Music Percussion El	
Mus 146 Applied Music String Elective	
Mus 156 Applied Music Woodwind Ele	
Mus 166 Applied Music Voice Elective	
Mus 315 Applied Music Brass Elective	
Mus 325 Applied Music Keyboard Ele	
Mus 335 Applied Music Percussion El	
Mus 345 Applied Music String Elective	
Mus 355 Applied Music Woodwind Ele	
Mus 365 Applied Music Voice Elective	
Mus 316 Applied Music Brass Elective	
Mus 326 Applied Music Keyboard Ele	
Mus 336 Applied Music Percussion El	
Mus 346 Applied Music String Elective	
Mus 356 Applied Music Woodwind Ele	
Mus 366 Applied Music Voice Elective	1 hr. cr.
Mus 117 Applied Music Brass Elective	e 2 hrs. cr.
Mus 127 Applied Music Keyboard Ele	ctive 2 hrs. cr.
Mus 137 Applied Music Percussion E	
Mus 147 Applied Music String Elective	
Mus 157 Applied Music Woodwind Ele	ective 2 hrs. cr.
Mus 167 Applied Music Voice Elective	
Mus 118 Applied Music Brass Elective	e 2 hrs. cr.
Mus 128 Applied Music Keyboard Ele	
Mus 138 Applied Music Percussion E	lec 2 hrs. cr.
Mus 148 Applied Music String Elective	e 2 hrs. cr.
Mus 158 Applied Music Woodwind El-	ect 2 hrs. cr.
Mus 168 Applied Music Voice Elective	e 2 hrs. cr.
Mus 317 Applied Music Brass Elective	e 2 hrs. cr.
Mus 327 Applied Music Keyboard Ele	ective 2 hrs. cr.
Mus 337 Applied Music Percussion E	lec 2 hrs. cr.
Mus 347 Applied Music String Elective	e 2 hrs. cr.
Mus 357 Applied Music Woodwind El-	ec 2 hrs. cr.
Mus 367 Applied Music Voice Elective	e 2 hrs. cr.
Mus 318 Applied Music Brass Elective	e 2 hrs. cr.
Mus 328 Applied Music Keyboard Ele	ective 2 hrs. cr.
Mus 338 Applied Music Percussion E	
Mus 348 Applied Music String Electiv	
Mus 358 Applied Music Woodwind El	
Mus 368 Applied Music Voice Elective	
Elective in Jazz Improvisation	
Mus 114	1 hr. cr.
Mus 214	2 hrs. cr.

#### Applied Music Major (Private Lessons)

Private study in Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

Mus 217	Applied	Music	Brass Major	2 hrs. cr.
Mus 227	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 237	Applied	Music	Percussion Major	2 hrs. cr.
Mus 247	Applied	Music	String Major	2 hrs. cr.
Mus 257	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 267	Applied	Music	Voice Major	2 hrs. cr.
Mus 218	Applied	Music	Brass Major	2 hrs. cr.
Mus 228	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 238	Applied	Music	Percussion Major	2 hrs. cr.
Mus 248	Applied	Music	String Major	2 hrs. cr.
Mus 258	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 268	Applied	Music	Voice Major	2 hrs. cr.
Mus 417	Applied	Music	Brass Major	2 hrs. cr.
Mus 427	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 437	Applied	Music	Percussion Major	2 hrs. cr.
Mus 447	Applied	Music	String Major	2 hrs. cr
Mus 457	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 467	Applied	Music	Voice Major	2 hrs. cr.
Mus 418	Applied	Music	Brass Major	2 hrs. cr.
Mus 428	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 438	Applied	Music	Percussion Major	2 hrs. cr.
Mus 448	Applied	Music	String Major	2 hrs. cr.
Mus 458	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 468	Applied	Music	Voice Major	2 hrs. cr.
Corequis	ite: Mus	ic maj	or (major code of 90	30, 9031
9032, 903	33. 9034	. 9006	. 0r 1005.)	

## **Paralegal Studies**

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Yates

The paralegal program is designed for the student seeking a career as a legal assistant working under the direction and supervision of an attorney in private practice, government service or legal aid. However, the knowledge and skills acquired in the paralegal program are beneficial to students in the areas of law enforcement, prelaw, business law and political science. Students who choose to learn more about the legal system and how to develop their own skills in legal research for personal enrichment are also encouraged to enroll.

No major or degree is now offered in paralegal studies, but a student enrolled in the paralegal program may obtain an associate of arts degree with an emphasis in paralegal studies. Paralegal studies may also be used as a minor for a bachelor of arts or bachelor of science degree. Students wishing to take only classes in paralegal studies may receive recognition for successfully completing 21 hours of course work. This option is recommended only for post-graduate students or students who have already completed the Core Curriculum. The required courses and suggested electives are listed under the requirements for the minor. Students must have an adviser in paralegal studies.

#### Minor in Paralegal Studies

	Semester H	lour	į
Core Requir	ements		
Eng 101 (	College Composition	3	
Computer Lit	eracy (Comp 105 or		
Demonstrate	d Proof of Competency)	3	
Paralegal Re	equired Courses		
PLS 201 I	ntro to Legal		
1	Assistance	3	
PLS 210 L	_aw Office		
r	Management	3	
PLS 302 L	egal Research	3	
Legal Electiv	ves	1	į

**Paralegal Specialty Courses** 

## Paralegal Studies / 119

Nine (9) he	ours from combination of					
Courses lis	Courses listed below					
PLS 298	Topics in Paralegal					
	Studies	3				
PLS 311	Property	3				
PLS 312	Civil Litigation	3				
PLS 320	Family Law	3				
PLS 401	Wills, Trusts and Proba	ate 3				
PLS 491	Internship**	3				
PLS 498	Senior Seminar**	: 3				
PLS 499	Independent Study**	3				
General Legal Electives						
Six (6) hours from combination of						

Six (6) hours from combination of either Paralegal Specialty Courses listed above or the following General Legal Electives GB 301 Legal Environment of Business I

GB 302 Legal Environment of Business II

PSc 310 Law, Society & **Judicial Process** 

PSc 322 International Law PSc 431 Constitutional Law I PSc 432 Constitutional Law II

Comm 310 Communications Law LE 250 Criminal Law GB 411 Labor Law

\*\*See Prerequisites

#### Suggested Order of Study

Associate of Arts

Major Code 7999

**Emphasis in Paralegal Studies** 

(This is a general associate of arts degree, NOT a paralegal degree)

Freshman Year 1ct Competo

1st Semester		
Course	H	ours
PLS 201	Intro to Legal Assistance	3
PLS 302	Legal Research	3
CORE	[Eng 101 Comp I]	3
CORE	[PSc 120 Govt:U.S./Sta/Loc	] 3
CORE	[Math 125 Contemp. Math]	3
		15

	2nd Semeste	er	
	CORE	[Eng 102 Comp II]	3
	CORE	[Hist 110 U.S. History]	3
9	CORE	[Phys 100 Fund of Phys Sci]	5
	PLS 210	Law Office Management	3
	PLS	Upper Division Elective	3
			_

Sophomore Year

1st Semester CORE [Soc 110 or Psy 100] 3 [Bio 101 General Biology] CORE 4 CORE [Humanities and Fine Arts] 3 PLS **Upper Division Electives** 6 16

2nd Semester

CORE [Hist 120 U.S. History] 3 CORE [Comm 100 Oral Comm] 3 CORE [Literature] 3 CORE [Humanities and Fine Arts] 3 PLS 491 Internship PLS Upper Division Elective 3 18

[Department Recommendations]

Suggested electives are Civil Litigation; Family Law; Property; Wills, Trusts and Probate.

For additional information contact:

Dr. Michael Yates

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Office: Webster Hall 234 Phone: 417.625.9333

E-mail: yates-m@mail.mssc.edu

## **Course Descriptions**

PLS 201 (F)

3 hrs. cr.

Introduction to Legal Assistance

American legal system with emphasis on the roles, skills and tasks of the paralegal. Topics include professional ethics, client interviewing and legal analysis.

PLS 210 (S, Odd)

3 hrs. cr.

Law Office Management

Management and operation of the law office with emphasis on the practical aspects of processing cases, office workflow, billing, and attorney-client and personnel relationships. Topics include the legal team, the attorney-client relationship, legal fees, timekeeping, filing, and records management.

PLS 298 (Demand)

3 hrs. cr.

**Topics in Paralegal Studies** 

Special topics of current interest to the student. Subjects are changed each semester. Students are encouraged to submit areas of interest to the social science department.

PLS 302 (F, Odd) Legal Research 3 hrs. cr.

Research involved in case preparation; use of the law library and the various digests, encyclopedias, reporters, etc., contained therein.

PLS 311 (S. Odd)

3 hrs. cr.

Property

Laws relating to real and personal property with emphasis on the procedures and forms used in real estate transactions and conveyances such as deeds and contracts.

PLS 312 (S, Even)

3 hrs. cr.

Civil Litigation

Process of civil litigation from filing to appeal including rules for instituting and conducting lawsuits before federal and state courts, rules of procedure, and the preparation of pertinent legal forms.

PLS 320 (S, Even)

3 hrs. cr.

**Family Law** 

Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse and termination of parental rights and the preparation of pertinent legal forms.

PLS 401 (F, Even)

3 hrs. cr.

Wills, Trusts and Probate

Law of wills, trusts and intestate succession; includes analysis of the administration and probate of estates and the preparation of pertinent legal forms.

PLS 491 (Demand)

3 hrs. cr.

Internship

An applied internship of 135 hrs. done under the supervision of a practicing professional who is directly engaged in a day-to-day application of the law (i.e. judges, attorneys, government officials) as approved by department head. Prerequisite: 12 hrs. of paralegal studies and/or consent of instructor.

PLS 498 (Demand)

3 hrs. cr.

Senior Seminar

Comprehensive analysis and review of selected legal topics to be announced when course is offered. Prerequisite: 9 hrs. of paralegal studies or consent of instructor.

PLS 499

1-2-3 hrs. cr.

Independent Study

Study and research by the student under the direction and supervision of instructor/adviser with prior approval by department head and school dean. Prerequisites: Advanced standing in the major field and a minimum GPA of 3.0.

## 120 / Philosophy, Physics & Pre-Engineering



Hearnes Hall 312, 417.625.9659

Faculty Simpson - Head, B. Brown

Philosophy deals with basic questions from all areas of life and thought-science, religion, art, morality and politics-and helps students refine their views on these subjects. Most importantly, philosophy teaches students how to think: how to analyze problems into their essential elements, how to decide which proposed solution to a problem is supported by the best evidence, how to separate relevant from irrelevant points and how to state issues clearly and precisely. While some philosophy students go to graduate school and become professional philosophers, most go on to careers in such areas as law, medicine, theology, business, government and public service. Philosophy students are highly successful in gaining admittance to law schools, medical schools, graduate schools of management, and theological seminaries.

The department offers a minor in philosophy, which consists of 18 credit hours. Students are required to complete a course in Critical Thinking (Phil 140), a course in Ethics (Phil 212, Phil 312, PSc 411 or a suitable Selected Topics Course) and two courses in the History of Philosophy (Phil 301 and 302). Two courses are elective, at least one of which must be at the 300 level or above.

For additional information contact:

Dr. Dale W. Simpson Office: Hearnes Hall 314 Phone: 417.625.9640

E-mail: simpson-d@mail.mssc.edu

### **Course Descriptions**

Phil 140

3 hrs. cr.

**Critical Thinking** 

Introduction to logic, with special emphasis on common errors and fallacies in reasoning.

**Phil 201** 

3 hrs. cr.

Introduction to Philosophy

Comparative survey of major types of philosophy and of representative problems in philosophy. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 212

3 hrs. cr.

**Ethics** 

Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in contemporary society. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 298

3 hrs. cr.

Topics in Philosophy

Studies in a variety of philosophical subjects. Topic open.

Phil 301

3 hrs. cr.

**Ancient Philosophy** 

Historical study of ancient philosophy, with special emphasis on the writings of Plato and Aristotle. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 302

3 hrs. cr.

Modern Philosophy

A survey of the major schools of western philosophy from 1550 to 1850. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 312

3 hrs. cr.

**Biomedical Ethics** 

A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources, and medical experimentation.

Phil 320

3 hrs. cr.

Comparative Religion (Writing Intensive)
A philosophical and historical survey, emphasizing the world's major living religions. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.) Prerequisite: Eng 101 and 102 or 111.

hil 420

3 hrs. cr.

Philosophy of Science (Writing Intensive) Investigation of the nature and scope of scientific inquiry. Topics include the logic of scientific reasoning, the nature of scientific theories, the conceptual presuppositions of science, and the relation between the natural and social sciences. Prerequisites: 3 hrs. of philosophy or permission of instructor; Eng 101 and 102 or 111.

Phil 498

3 hrs. cr.

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Seminar in Philosophy

Comprehensive analysis of selected topics in philosophy. For upper division students.

Phil 499

1-3 hrs. cr.

Independent Study

Individually directed study in selected areas for advanced students. Prerequisite: GPA of 3.0 in philosophy. Enrollment must be approved by adviser, department head and school dean.

# Physics and Pre-Engineering

Reynolds Hall 210, 417.625.9376

Faculty Sloan - Head, Chelf, Knapp, Marsh

Physics graduates obtain a strong diversified background in science and mathematics which will qualify them to enter various areas of employment in industry, government or secondary education, or for entrance into graduate programs in physics, engineering and many other discipline. Students who plan to do graduate work in engineering should, with the help of a faculty adviser, select their free electives in the area they plan to enter.

The physics area of the physical science department participates in cooperative twoyear pre-engineering programs which allow students to complete the first two years of an engineering degree at Missouri Southern and then transfer to an engineering school to complete the remaining two years of the degree. (See page 213).

## Bachelor of Science with a Major in Physics

Semester Hours

	Core Requ	irements (p. 33) 51*	4		
Physics Requirements					
	Phys 160	General Physics I**	3		
	Phys 270	General Physics II**	5		
	Phys 280	General Physics III**	5		
	Phys 301	Modern Physics**	4		
	Phys 322	Classical Mechanics**	3		
	Phys 341	Thermal Physics**	4		
	Phys 372	Electronic Circuits**	4		
	Phys 381	Intermediate Physics			
		Laboratory**	3		
	Phys 401	Electricity & Magnetism*	* 4		
	Phys 452	Quantum Mechanics**			
	OR				
	Phys 480	Selected Topics in			
		Physics & Engineering	3		
	Phys 498	Seminar	1		

					Physic	s & Pre	-Engineering /	121
Supportin	ng Requirements	26	Comp 110	Programming I	3	2nd Semes	ter	
	General Chemistry I**	5	Select on			Phys 322	Classical Mechanics (3)	
Math 150	Calculus with Analytica		Bio 312	Environmental Biology	v 4	OR	(-/	
	Geometry I**	5	Bio 402	General Ecology	4	Phys 341	Thermal Physics (4)	3-4
Math 250	Calculus with Analytica	ĺ	Bio 481	Aquatic Ecology	4	Phys 372	Electronic Circuits	4
	Geometry II**	5	Geol 300	Environmental Geolog		Math 322	Differential Equations	3
Math 260	Calculus with Analytical			n Certification Require		CORE	[Kine 103 Lifetime Wellne	ss] 2
	Geometry III**	5	(p. 167)	commoduon rioquiro	41-42	CORE	[Econ 180 Amer Econ Sys	sj 3 5-16
Math 322	Differential Equations**	3	(		168-169			3-10
	Programming I	3			100-103	Junior Yea	r	
Electives		16	*Required	physics, chemistry, ma	themat-	1st Semeste		
		24****		y and psychology cours		Phys 301	Modern Physics	4
				requirements and 15 hou		Phys 381	Intermediate Physics Lab	(3)
*Required	physics, chemistry and	math-	Core Curr		is of the	OR		
	urses satisfy major require		**See Pre			Phys 401	Electricity & Magnetism (4	
	rs of the Core Curriculum		See Fie	requisites		CORE	[Bio 101 General Biology]	
**See Pre		1	Missaul	Dhusias		CORE	[Humanities and Fine Arts	
		Cama	Wilnor in	Physics		CORE OR	[Psy 100 Gen Psychology	]
	ted Electives (Chem 102,			Semeste	r Hours	CORE	[Soc 110 Sociology]	2
	351, Math 431 and Phys		Phys 160	General Physics I	3	CONL		3 <b>7-18</b>
	clude at least 40 upper di	vision	Phys 270	General Physics II	5			7-10
(300 - 400	level) hours.		Phys 280	General Physics III	5	2nd Semest	er	
			Physics	Upper Division Elective	es	Phys 341	Thermal Physics (4)	
				(excluding Phys 300)	8	OR	, , ,	
Bachelo	r of Science in				21	Phys 322	Classical Mechanics (3)	4-3
Education	on with a Major					Phys 452	Quantum Mechanics	
	d Science,					OR		
	,					Phys 480	Selected Topics	3
	Endorsement					CORE	[Hist 110 U.S. History]	3
Grades 9-	12 Certification		Suc	ggested Order of Study	V	CORE	[Comm 100 Oral Comm] [Humanities and Fine Arts]	3
						CORE	[Kine 101 Physical Activity	
	Semester		Pachala:	of Colones		30112		6-17
	uirements (p. 33) 51*	36		of Science			· ·	•
	equirements	25	Major Cod			Senior Year		
Phys 280	General Physics III (5)	2	Physics M	lajor		1st Semeste	er	
Phys 301	Modern Physics**	4	Freshman '	Vace		Phys 401	Electricity & Magnetism (4)	)
Phys 312	Statics**	3	1st Semeste			OR		
Phys 322	Classical Mechanics**	3	Course	51	Hours	Phys 381	Intermediate Phys Lab (3)	
Phys 341	Thermal Physics**	4	Math 150	Calculus I	5	CORE	[Humanities and Fine Arts]	3
Phys 372	Electronic Circuits**	4	Chem 101	Gen Chem I (Alg & Trig)	5	CORE	[PSc 120 Gov't: U.S./St/Lo	-01.2
Phys 381	Intermediate Physics		CORE	[Eng 101 Comp I]	3	Elective	Physics or Math	3
	Laboratory**	3	Phys 160	General Physics I	3	CORE	[Hist 120 or 320 U.S. Hist]	
Phys 498	Seminar	2	Psy 120	College Orientation	1	OOTIL		5-16
	g Requirements	66			17			
Phil 420	Philosophy of Science	3				2nd Semeste	er	
Bio 101	General Biology	4	2nd Semest		-	Phys 452	Quantum Mechanics	
Bio 112	Botanical Survey**	4	Phys 270	Gen Physics II (Math 150)		OR		
Bio 122	Zoological Survey**	4	Math 250 Elective	Calculus II (Math 150) [Chem 102 General Chem	5	Phys 480	Selected Topics	3
	General Chemistry I**	5	LIECTIVE	Tonem 102 General Chem	11]5	Phys 498	Seminar	1
	General Chemistry II**	5			13	CORE	[International Cultural Stu]	3
Phys 160	General Physics I**	3	Sophomore	Year		Electives		9
Phys 270			1st Semeste					16
	General Physics II**	5	Phys 280	Gen Physics III (Phys 270	) 5	(Prerequisite	25)	
Phys 280	General Physics III (5)	3	Math 260	Calculus III (Math 250)	5		Recommendations]	
Geol 110	Intro to Geology	5	Comp 110	Programming I	3	Dopartment		
Geol 180	Intro to Meteorology	3	CORE	[Eng 102 Comp II]	3			

[Eng 102 Comp II]

3

16

For additional information contact:

E-mail: sloan-m@mail.mssc.edu

Mr. Marion Sloan

Office: Reynolds Hall 213

Phone: 417.625.9616

3

5

5

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CORE

Intro to Meteorology

Geometry I\*\*

Geometry II\*\*

Geometry III\*\*

Calculus with Analytical

Calculus with Analytical

Calculus with Analytical

Math 150

Math 250

Math 260

## 122 / Physics & Pre-Engineering

## Course Descriptions

Phys 100 (F, S, SS)

5 hrs. cr.

#### **Fundamentals of Physical Science**

Basic concepts in the fields of physics, chemistry, geology and astronomy will be presented as time permits. Emphasis on a detailed picture of energy and its uses, including an understanding of both mechanical and thermal efficiencies and the limitations that these efficiencies place on our world. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: Math 30 with a grade of "C" or better.

Phys 101 (F, S)

5 hrs. cr.

## Physical Science for

Elementary Teachers

Basic concepts in the field of physical science. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Four lecture and demonstration periods and one three-hour lab per week. Prerequisite: Math 111.

Phys 102 (F, S)

1 hr. cr.

#### **Physical Science Laboratory**

Experiments related to topics studied in Physics 100 will be conducted. One three-hour lab per week. Prerequisite or corequisite: Physics 100.

Phys 151 (F, S, SS)

5 hrs. cr.

#### Elementary College Physics I

Mechanics, rotational dynamics, properties of matter, heat, wave motion and sound. Four hrs. lecture, one 2-hr. lab per week. Prerequisite: Math 140.

Phys 152 (S)

4 hrs. cr.

#### Elementary College Physics II

Electricity, circuits, magnetism, optics, relativity, radioactivity, and nuclear reactions. Three hours of lecture and one 2-hr. lab per week. Prerequisite: Phys 151.

Phys 160 (F, S)

3 hrs. cr.

#### **General Physics I**

Introductory study of physics covering vector techniques, geometrical and trigonometrical applications in physics, kinematics and dynamics of particles in one, two, and three dimensions, and an introduction to work and energy. Three hours of lecture per week. Prerequisite: Math 140; corequisite: Math 150.

Phys 270 (F, S)

5 hrs. cr.

#### General Physics II

Introductory study of energy, momentum, kinematics and dynamics of rigid bodies, equilibrium, fluids, waves, and a study of heat and temperature. Four hrs. lecture, one 3-hr. lab/recitation class per week. Prerequisite: Math 150, Phys 160; corequisite: Math 250.

Phys 280 (F, S)

5 hrs. cr.

#### **General Physics III**

Introductory study of electricity, magnetism, and geometrical and physical optics. Four hours of lecture and one 3-hr. lab/recitation class per week. Prerequisite: Phys 270, Math 250.

Phys 298 (F, S)

1-3 hrs. cr.

Selected Topics in Physical Science

Special topics in physical science not normally offered in other courses. Prerequisite or corequisite: Math 130 or equivalent.

Phys 300 (Demand)

3 hrs. cr.

Astronomy

Study of our solar system and universe including the following topics: the solar system, Kepler's laws, celestial coordinates and observing. Hertzprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies and cosmology. Three lectures per week. (Does not count toward a physics major.) Prerequisite: Phys 100 or equivalent and one year high school algebra.

Phys 301 (F)

4 hrs. cr.

#### **Modern Physics**

Special theory of relativity, wave-particle experiments, introductory quantum mechanics and nuclear physics. Prerequisite: Phys 280. Corequisite: Math 260.

Phys 312 (F)

3 hrs. cr.

#### Statics

Principles of mechanics as applied to problems of engineering in which the structures under consideration are in static equilibrium. Three lectures per week. Prerequisite: Phys 160; Corequisite: Math 250

Phys 322 (S, Even)

3 hrs. cr.

#### Classical Mechanics

Kinematics and dynamics of particles and systems of particles including the harmonic oscillator, potential functions, conservative fields of force, accelerated reference frames, energy, gravitation and rigid bodies. Three hrs. lecture per week. Prerequisite: Phys 270, Corequisite: Math 322 or permission of instructor.

Phys 341 (S, Odd)

4 hrs. cr.

#### **Thermal Physics**

Temperature, transfer of heat, laws of thermodynamics, entropy, enthalpy, reversibility and irreversibility, thermal properties of materials, change of phase, use of thermo tables and introduction to heat transfer. Four hrs. lecture per week. Prerequisite: Phys 270; corequisite: Math 260.

Phys 372 (S)

4 hrs. cr.

#### **Electronic Circuits**

Ohm's law, Kirchoff's laws, Nodal analysis, mesh analysis, Thevenin's and Norton's theorems, superposition, inductors and capacitors, source-free RL and RC circuits, RLC circuits. Complex variables and their application to steady-state AC circuits. Three 1-hr. lectures and one 3-hr.

lab per week. Presently limited to 15 students by equipment considerations. Prerequisite: Phys 280, Corequisite: Math 260.

Phys 381 (Demand)

3 hrs. cr.

#### Intermediate Physics

-b---t--

Laboratory (Writing Intensive)
Experiments in classical and modern physics, including wave phenomena, heat transfer, electrical measurements, optics, photoelectric effect and radioactivity. Two 3-hr. lab per week. Prerequisite: Phys 301 or permission of instructor.

Phys 401 (F, Odd)

4 hrs. cr.

#### **Electricity and Magnetism**

Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties, induced electromotive force, Maxwell's equations and electromagnetic waves. Four hrs. lecture per week. Prerequisites: Math 260 and Phys 280.

Phys 452 (Demand)

3 hrs. cr.

#### **Quantum Mechanics**

Time independent Schroedinger equation, eigenfunctions, expectation values, differential operators, pertubation theory, multielectron atoms and applications to solid state physics. Three hrs. lecture per week. Prerequisite: Phys 301 and Math 322.

Phys 480 (Demand)

3 hrs. cr.

## Selected Topics in Physics and Engineering

One or more of the following topics for further study: solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer and mechanics of materials. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 498 (F, S)

1-3 hrs. cr.

#### Seminar

Topics of current interest by the student from the areas of physics and engineering. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts in physics at the secondary level. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 499 (F, S)

1-3 hrs. cr.

Independent Study

Course structured by the adviser with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the adviser, department head and school dean.

## Political Science / 123

## **Political Science**

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Richards, St. Clair, Simpson, Yates

The bachelor degree with a major in political science is appropriate for those students seeking to do graduate work in political science, enter professional schools of law or public administration, join the public service or work in community service as well as general career options. A bachelor of science in education degree with a major in social studies - political science emphasis certifies a student to teach on the secondary school level. A minor in political science is available for students majoring in other disciplines. In addition, see page 126 for a social science minor or the social studies in secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by PSc 120.

PSc 120 is a prerequisite for all other political science courses.

#### Bachelor of Arts with a Major in Political Science

Semester Hours Core Requirements (p. 33) 51\*

Computer Literacy Requirement determined by social science department

Foreign Language (four courses in one language)

	Political	Science Requirements	3
	PSc 120	Gov't: U.S./State/Local	3
	PSc 201	Introduction to	
		Political Science	3
	PSc 411	Political Theory	
1	OR		
-	PSc 412	Comtemporary Political	
		Thought	3

Seminar in Political

OR PSc 497 Capital Internship

Science

PSc 498

course from each of the	1
our arous.	
cs	(3)
Political Parties & Elections	(-)
Public Opinion &	
American Presidency	
Legislative Process	
Local Government	(3)
State Government	` '
Municipal Government	
Public Policy	
Public Administration	
nal Relations	(3)
International Relations	. ,
Comparative Politics	
Human Rights	
	Political Parties & Elections Public Opinion & Pressure Groups American Presidency Legislative Process  Local Government State Government Municipal Government Public Policy Public Administration  nal Relations International Relations Comparative Politics

Law PSc 310	Law, Society and the Judicial Process	(3)
PSc 322 PSc 431 PSc 432	International Law Constitutional Law I Constitutional Law II	

Globalization

Political Science Electives**	12
Electives	25
	124***

\*Political Science 120 satisfies major requirements and 3 hours of Core Curriculum.

\*\*See Prerequisites

12

3

PSc 369

\*\*\*Must include at least 40 upper division (300 - 400 level) hours.

#### Bachelor of Science in **Education with a Major** in Social Studies Political Science Emphasis **Grades 9-12 Certification** Plan B Single Teaching Field

Semester Hours

ocinester riours				
	uirements (p. 33) 51*	33		
Political S	cience Requirements	15		
PSc 120	Gov't: U.S./State/Local	3		
PSc	Upper Division Electives	12		
Supportin	g Requirements	36		
Hist 110	U.S. History 1492-1877	3		
Hist 120	U.S. History 1877-Present	t		
OR				
Hist 320	U.S. History 1877-Present	13		
Hist 130	Western Civilization to 1660	3		
Hist 140	Western Civilization			
	Since 1660	3		

Hist	Upper Division U.S.**	
	(not 320)	6
Hist	Upper Division Asian**	3
Soc 110	Intro to Sociology	3
Soc	Upper Division Elective**	3
Geog 211	Regions and Nations	3
Geog	Upper Division Elective	3
Econ 180	Amer Econ System	3
<b>Electives</b>		3-4
Education	Certification Requireme	nts
(p. 167)	4	40-41
		128

\*Required political science, history, sociology and economics courses satisfy major requirements and 18 hours of Core Curriculum. \*\*See Prerequisites

2

#### Minor in Political Science

	Semester	Hours
PSc 120	Gov't: U.S./State/Local	3
PSc	Electives*	18
		21

\*Must be chosen with approval of a political science adviser.

#### Minor in Public Administration Required:

PSc 320	State Government		
OR			
PSc 341	Municipal Government	3	
PSc 421	Public Administration	3	
Acct 201	Accounting	3	
MM 350	Principles of Management	3	
MM 352	Human Resource		
	Management	3	
			15

#### Choose three:

Comm 300	Organizational	
	Communications	3
Math 302	Applied Calculus	3
PSc 320	State Government **	3
PSc 341	Municipal Government**	3
PSc 342	Public Policy	3
Acct 325	Managerial Accounting	3
Econ 350	Financial Management	3
Soc 402	Community (WI)	3
Geog 457	Urban Geography	3
PSc 496	Internship in Political	
	Science	3
		9
Total for Minor (PA)		

\*\*(if not taken in PA minor core)

#### Additional requirements:

For students in majors without a statistics/ research requirement, one of the following courses must be completed. Hours earned

## 124 / Political Science

in either of the courses are not applicable to the minor in public administration.

PSc 300 Introduction to Political

Science Methods

OR

GB 321 Business Statistics I

#### Suggested Order of Study

#### Bachelor of Arts Major Code 2207

Political Science Major

#### Freshman Year

1st Semester		
Course		Hour
Foreign Lang	juage	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Math 125 Cont Math]	3
CORE	[Comm 100 Oral Comm]	3
Psy 120	College Orientation	1
,		40

2nd Semeste	r	
Foreign Lang	uage	3
CORE	[Eng 102 Comp II]	3
CORE	[Hist 120 U.S. 1877-Preser	nt]
OR		
CORE	[Hist 320 U.S. 1877-Preser	nt] 3
CORE	[Bio 101 General Biology]	4
CORE	[Humanities and Fine Arts]	3

#### Sophomore Year

1st Semest	er	
PSc 120	Gov't: U.S./State/Local*	3
CORE	[English Lit]	3
Foreign La	nguage	3
CORE	[Phys 100 Fund of Phys So	i] 5
CORE	[Kine 103 Lifetime Wellnes	s] 2
CORE	[Kine 101 Physical Activity]	1
	·	17

#### 2nd Semester

2nd Semeste	er	
CORE	[Econ 201 Prin of Econ-Macro	)] 3
PSc	[Upper Division Elective	
	approved by adviser]	3
Foreign Lang	guage	3
CORE	[Soc 110 Intro to Sociology]	3
Electives		2
		14

#### **Junior Year**

1st Seme	ster	
PSc	[Upper Division]	6
CORE	[International Cultural Stu]	3
[Computer Literacy course selected with		
adviser's	approval]	3
CORE	[Humanities and Fine Arts]	3
		15

#### 2nd Semester

PSc	[Upper Division]	9
Electives		7
		16

#### Senior Year

1st Semeste	r	
PSc	[Upper Division Electives]	9
Electives	[Upper Division]	6
		15

#### 2nd Semester

PSc	[Upper Division Elective]	6
Electives	[Upper Division]	10
		16

\*Also meets a Core Curriculum requirement.
[Department Recommendations]

For additional information contact:

Dr. Michael Yates Office: Webster Hall Phone: 417.625.9333

E-mail: yates-m@mail.mssc.edu

## **Course Descriptions**

#### PSc 120 (F, S) 3 hrs. cr. Government: U.S., State & Local

Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. A Core Curriculum requirement for all bachelor's degrees and prerequisite for all political science courses. Successful completion of this course fulfills the Missouri state requirements in constitutional study.

#### PSc 201 3 hrs. cr.

#### Introduction to Political Science

Introduction to the discipline of political science. The course is a preview of the major subunits of the discipline: American politics including public administration and legal studies; international relations; political theory; and, comparative politics.

#### PSc 280 (F, S) 3 hrs. cr.

Foundations of Social Science Research Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125. PSc 298 (Demand) 3 hrs. cr.

#### **Topics in Political Science**

Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty.

PSc 300 (S, Even) 3 hrs. cr.

## Introduction to Political Science Research Methods

An introduction to the ways in which political scientists conduct research. An emphasis will be placed on quantitative analysis and the decisions faced by political scientists when both designing and consuming social inquiry. Prerequisites: PSC 280 Foundations of Social Science Research.

PSc 301 (F, Even) 3 hrs. cr.

#### **Political Parties**

and Elections (Writing Intensive)
Analysis of the origins, structure and functions of
political parties; the dynamics of the two-party
system; the role of third parties and the election
process.

PSc 302 (F, Odd) 3 hrs. cr.

#### **Public Opinion and**

Pressure Groups (Writing Intensive)
Origins, impact and measurement of public opinion. Scope, nature and powers of interest groups
in American society with special attention to their
role in formulating public opinion and public policy.

PSc 310 (Demand) 3 hrs. cr.

#### Law, Society and

the Judicial Process (Writing Intensive)
American legal system viewed from a social and
political as well as legal perspective. Focus on
the structure and organization of courts, the processing of civil and criminal cases and the behavior of judges, lawyers and other participants in the
judicial process.

PSc 311 (Summer) 3 hrs. cr.

#### **American Presidency**

Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.

PSc 312 (S, Even) 3 hrs. cr

#### **Legislative Process**

Problems of representation, organization of the legislature, participation and proposals for improved organization. Emphasis on the Missouri General Assembly.

PSc 320 (S, Odd) 3 hrs. cr.

#### State Government

General structure, theories, operation and problems of state government with special emphasis on the government of Missouri.

## Political Science, Preprofessional / 125

PSc 321 (F, Even)

3 hrs. cr.

#### International Relations

Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.

PSc 322 (S, Odd)

3 hrs. cr.

#### International Law

Rules and principles accepted by the members of the community of nations as defining their rights and duties and the procedures employed in protecting their rights and performing their duties.

PSc 330 (F, Odd)

Politic

Comparative Politics

Comparative analysis of government and politics in both the major developed democracies and in developing states. The course examines themes of democratization, institutional design, parties and party systems, as well as the impact of social and economic change on the conduct and evolution of modern political systems. Prerequisite: PSc 120.

PSc 335 (S, Odd)

3 hrs.cr.

#### **Human Rights in World Politics**

Familiarizes students with the philosophical underpinnings of the modern concept of human rights; the role of human rights in relations among states and non-state actors; cross-cultural differences in the conception of and acceptance of human rights; the impact of globalization on government respect for human rights; and, the role of human rights in the decline of the state-centric international system.

PSc 341 (S, Even)

3 hrs. cr.

#### **Municipal Government**

Structure, legal status, functions and organization of city, town and village government in the United States.

PSc 342 (F, Even)

3 hrs. cr.

#### Public Policy

An introductory survey of the formulation, execution and evaluation of public policy in the United States.

PSc 369

3 hrs. cr.

#### Globalization

Introduction to the types of, institutions of, politics of, and soci-political consequences of globalization. Three types of globalization, information, soci-cultural, and economic, will be considered. Students will be made aware of the important roles that transnational advocacy networks, international governmental organizations, the Internet and international lending institutions play in reducing the primacy of state sovereignty and in affecting citizens' quality of life in states around the world-particularly developing ones. Prerequisites: one of the following Econ 201, Econ 202, INTS 201, Geog 211, Anth 155, Soc 210, Comm 101, or PSc 120.

PSc 398 (F)

Political Discourse

A topics and event driven, open forum for examination of current issues at the national, state and local levels of government. The course is conducted as a discussion group with the instructor providing directed reading assignments and presentations on discursive practices, traditions and models within the discipline as appropriate. May be repeated one time for credit.

PSc 411 (F, Odd)

3 hrs. cr.

1 hr. cr

**Political Theory** 

Western political philosophies from early recorded history through the present time.

PSc 412 (S, Even)

3 hrs. cr.

**Contemporary Political Thought** 

Twentieth century political ideas.

PSc 421 (F, Odd)

3 hrs. cr.

#### **Public Administration**

Administrative aspects of government; surveys the major subfields of public administration, i.e., politics and administration, organizational theory, organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation and administrative law.

PSc 431 (F, Even)

3 hrs. cr.

#### Constitutional Law I

Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government and the First Amendment rights of freedom of expression.

PSc 432 (S, Odd)

3 hrs. c

#### Constitutional Law II

Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process, and equal protection clauses.

PSc 496 (Demand)

3-8 hrs. cr.

#### Internship in Political Science

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hrs. may be counted toward a major or minor.

PSc 497 (Demand)

8 hrs. cr.

Capital Internship

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. The student will live and work in the capital from the opening of the legislative session until its conclusion or the last day of MSSC's spring semester.

PSc 498 (Demand)

Seminar in Political

Science

(Writing Intensive)

3 hrs. cr.

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hrs. of upper division political science.

PSc 499 (F, S)

1-2-3-4 hrs. cr.

#### **Independent Study**

For students who wish to do an indepth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an adviser from the political science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean.

## **Preprofessional**

Police Academy 101, 417.625.9328

#### Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours. Also, students who are completing certification requirements for the paramedic program and desire a college degree may choose this degree program.

## 126 / Social Science, Sociology

## **Social Science**

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Cebula, Gubera, Kaldjian, Kimuna, Laas, Locher, Markman, Richards, St. Clair, Schmidt, Simpson, Tannenbaum, Teverow, Wagner, Wells, Yates

Within the social sciences are the disciplines of anthropology, geography, history, paralegal studies, political science and sociology.

Each discipline focuses on the study of some aspect or aspects of human societies: their history, government, social organization, laws, physical environment and/or cultural heritage. Students who major or minor in the social sciences prepare for a variety of graduate programs or careers, for example, in teaching, government, law, historic preservation, business, health and human services. Internships are especially helpful in establishing career objectives and obtaining practical knowledge. Social sciences students may apply for internships at the George Washington Carver National Monument, the Dorothea B. Hoover Historical Museum, as a social work minor, a paralegal studies minor, a political science minor, or a sociology major. Also, Missouri State Internships are available.

Minors are offered in each of the disciplines within the social sciences except anthropology. Two general social science minors are also available: a social science minor and a social studies for secondary education minor which qualifies students to teach in junior high and middle schools.

#### Minor in Social Science

	Semester H	lour
Hist 110	U.S. History	3
Hist 120	U.S. History	
OR		
Hist 320	U.S. History	3
PSc 120	Gov't: U.S./State/Local	3
Geog	Elective	3
Soc or Anth	Elective (100 - 200 level)	3
Select three	e (3) social science	
courses at t	he 300 - 400 level	
(other than	Hist 320)	9
•		- 0

Fifteen hours of these requirements apply to the Core Curriculum.

#### Minor in Social Studies for Secondary Education Certification for Grades 9-12

This minor meets social studies requirements for certifying secondary education majors to teach grades 9 through 12. Students electing this minor must have a social sciences faculty adviser.

#### **Social Studies**

	Semester	Hours
Hist 110	U.S. History	3
Hist 120	U.S. History	
OR		
Hist 320	U.S. History	3
Elective in	American History	3
PSc 120	Gov't: U.S./State/Local	3
Hist 130	Western Civilization	3
Hist 140	Western Civilization	3
Econ 180	Amer Econ System	3
Geog 211	Regions and Nations	3
9	•	24

#### **Programs & Degree Offerings**

See Geography (p. 101); History, (p. 103); Paralegal Studies, (p. 119); Political Science, (p. 123); and Sociology, (p. 126) for specific degree requirements, minors, A.A. paralegal program and suggested orders of study.

## Sociology

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Gubera, Kimuna, Locher, Wells

A bachelor's degree with a major in sociology prepares the student for a variety of occupations and graduate programs. Selecting from three bachelor's degree programs including a bachelor of science in education, the student may choose to pursue many careers, for example, those in human and social services, public safety occupations or teaching. Advanced graduate or professional school training could also be a choice for the student who successfully completes one of the bachelor degree programs. A minor in social work is offered with classes focusing on human and social services. In addition, a sociology minor provides students majoring in other areas with special interpersonal, group and organizational knowledge and skills.

See page 126 for a minor in social sciences or the social studies in secondary education minor.

Sociology 110 is a prerequisite to many upper division courses in sociology.

Certain sociology courses may be used to satisfy Core Curriculum requirements. Sociology 110 is an elective for the requirement in Area 3C, Natural and Behavioral Sciences; Anth 155, 342 or Soc 303 meet the requirement in Area 5, International Cultural Studies.

#### **Student Organizations**

Alpha Kappa Delta is the national honor society in sociology. Alpha Kappa Delta recognizes academic excellence in the field and encourages its members to participate in the activites of its national organization. The members have the opportunity each year to attend a professional conference with minimal personal expense.

Sociology Club is open to all students who are interested in sociology. The club provides a setting for students to interact with their peers and will provide a wide range of activities throughout the year.

#### Bachelor of Arts with a Major in Sociology

Semester Hours Core Requirements (p. 33) 51\* Foreign Language (four courses in one language) 33 Sociology Requirements 3 Soc 110 Intro to Sociology Soc 210 Social Problems\*\* 3 3 Computer App in Soc\*\* Soc 300 Soc 311 Social Stratification\*\* 3 Soc 431 Sociological Research Methods\*\* 3 3 Sociological Theory\*\* Soc 482 Electives (9 hrs. must be Soc upper division) **Supporting Requirements** 3 **Applied Statistics** Psy 320 Elective 3 Anth Geo 310 Human and Cultural 3 Geography

\*Required sociology course Soc 110 satisfies three hours of Core Curriculum requirements.

124\*\*\*\*

Supporting Area (approved

by sociology adviser)\*\*\*

**Electives** 

## Sociology / 127

							Suciology /	17
	erequisites		Hist 130	Western Civilization				
***A mino	or is highly recommended.			To 1660	3	S	uggested Order of Stud	V
****Must i	include at least 40 upper of	division	Hist 140	Western Civilization				
(300 - 400	0 level) hours.			From 1660	3	Pachala	r of Arts	
`	,		Hist	Upper Division	3			
			11130	U.S. Electives** (not 3)	20) 6	Major Co		
Bachel	or of Science with a		Hist		20)6	Sociolog	jy Major	
			11151	Upper Division Latin		-		
Major II	n Sociology			American or Asian		Freshman		
	Semester	Hours	0014	Elective**	3	1st Semes		
Core Reg	juirements (p. 33) 51*		Geog 211		3	Course Soc 110		lours
Socialog	y Requirements	48	Geog	Upper Division Elective		CORE	Intro to Sociology* [Eng 101 Comp I]	3
Soc 110		39	PSc 120	Gov't; U.S./State/Local		CORE	[Hist 110 U.S. 1492-1877]	1 3
Soc 300	Intro to Sociology	3	PSc	Upper Division Elective	e** 3	CORE	[Humanities and Fine Arts	
300 300	Computer App in		Econ 180		3	Foreign La		3
Con 211	Sociology**	3		Certification Requiren		Psy 120	College Orientation	1
Soc 311	Social Stratification**	3	(p. 167)		40-41			16
Soc 361	Study of Population**	3		1	30-131			
Soc 362	Deviant Behavior**	3				2nd Seme		
Soc 431	Social Research		*Required	courses in history, politicals	science.	Foreign La		3
	Methods**	3	sociology	and economics satisfy m	ajor re-	CORE	[Eng 102 Comp II]	3
Soc 482	Sociological Theory**	3	quirements	and 18 hours of Core Curi	riculum.	CORE	[PSc 120 Gov't:U.S./Sta/L	
Soc	Electives (12 hours		**See Prei	requisites		CORE	[Econ 180 Amer Econ Sys	
	must be upper division)	18				CORE	[Bio 101 General Biology]	
Supportin	ng Requirements	9						16
Psy 320	App Stat for Behavioral		Minor in	Sociology		Sophomo	re Vear	
	& Natural Sciences**	3	WIIIOI III	Sociology		1st Semes		
Anth	Elective	3		Semester	r Hours	Soc 210	Social Problems**	3
Geo 310	Human and Cultural		Soc 110	Intro to Sociology	3	Foreign La		3
	Geography	3	Soc 311	Social Stratification (WI		CORE	[Humanities and Fine Arts]	
Electives	5.30g.apii)	28	OR		,	CORE	[Math 125 Cont Math]	3
		124***	Soc 341	Gender Roles		CORE	[Comm 100 Oral Comm]	3
			OR					15
*Required	Sociology course 110 sa	atisfies	Soc 382	Minority Groups and		2nd Semes	ster	
	of Core Curriculum requirer			Race Relations	3	Soc	Elective	3
**See Prer			Soc 402	Community (WI)	3	Foreign La		3
	clude at least 40 upper div	ision	Soc	Electives (6 hours must	_	CORE	[Phys 100 Fund of Phys So	ci] 5
300 - 400	level) hours.			upper division)	12	CORE	[Hist 120 U.S. History	,
				, ,	21		1877-Present]	
						OR		
Bachelo	r of Science in		*Select wit	h prior approval of a soc	ciology	CORE	[Hist 320 U.S. History	
				e prerequisites where appl			1877-Present]	3
	on with a Major			- p. o. oquioitoo willore app				14
n Socia	l Studies					Junior Yea	ir	
Sociology	Emphasis		Minor in	Social Work		1st Semest		
	12 Certification		WIII IOI III	Social WOLK		Soc 311	Social Stratification**	3
Plan B	Single Teaching	Field		Semester	Hours	Soc	[Upper Division Elective]	3
			Soc 110	Intro to Sociology	3	CORE	[English Lit]	3
_	Semester I		Soc 221	Marriage and Family	3	Psy 320	App Stat**	3
	uirements (p. 33) 51*	33	Soc 306	Sociology of Aging*	3	CORE	[Kine 101 Physical Activity]	
	Requirements	21	Soc 331	Intro to Social Work *	3	CORE	[Kine 103 Lifetime Wellnes	s] 2
Soc 110	Intro to Sociology	3	Soc 332	Soc Work Practice*	3			15
Soc 210	Social Problems**	3	Soc 382	Minority Groups and	U	0.10		
Soc 221	Marriage and Family	3	300 002	Race Relations*	3	2nd Semes		_
Anth 342	Comparative Cultures**	3	Soc 406		3		Area [A minor is suggested]	5
Soc	Electives (6 hours		OR	Child Abuse*		Soc 300	Comp App in Sociology**	3
	upper division)**	9		Internals:-++		Geog 310	Human & Cultural Geog	3
Supporting	g Requirements	36	Soc 496	Internship**	3	Electives		6
list 110	U.S. History 1492-1877	3	+0 =		21			17
list 120	U.S. History 1877-Preser		*See Prere					
DR	5.5. Flictory 1077-1 16561	16		n dependent on departr	mental			
Hist 320	U.S. History 1877-Present	3	committee	approval.				
1101 020	o.o. History 1077-Fresent	3						

## 128 / Sociology

1st Semester		
	a to the top of the second	0
Soc 431	Sociological Res Methods**	3
Soc	[Upper Division Elective]	3
Supporting A	rea [A minor is suggested]	4
Soc	Electives	3
Elective		3
		16
2nd Semeste		
Soc 482	Sociolgical Theory**	3
	rea [A minor is suggested]	6
Electives		6
		15
	a Core Curriculum requirem	ent
**Prerequisite	es December detional	
Department	Recommendations]	
The student	is to calcut a supporting are:	a in
	is to select a supporting area	d III
consultation	with a sociology adviser.	
Bachelor o		
Major Code		
Sociology	Major	
Freshman Y	'ear	
1st Semeste	r	
Course	Ho	ours
Soc 110	Intro to Sociology*	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Hist 110 U.S. 1492-1877] [Econ 180 Amer Econ Sys	
CORE	[Hist 110 U.S. 1492-1877] [Econ 180 Amer Econ Sys	
CORE Elective	[Econ 180 Amer Econ Sys	] 3
CORE		3
CORE Elective	[Econ 180 Amer Econ Sys	3 3 1
CORE Elective Psy 120	Econ 180 Amer Econ Sys College Orientation	3 3 1
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CORE Elective Psy 120 2nd Semest CORE	Econ 180 Amer Econ Sys College Orientation er [Hist 120 U.S. 1877-Prese	3 3 1 16
CORE Elective Psy 120  2nd Semest CORE CORE	[Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II]	] 3 3 1 16 nt] 3
CORE Elective Psy 120  2nd Semest CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo	] 3 3 1 16 nt] 3
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm]	] 3 3 1 16 nt] 3 3 oc] 3 3
CORE Elective Psy 120  2nd Semest CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo	] 3 3 1 16 nt] 3 3 oc] 3 3
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm]	] 3 3 1 16 nt] 3 oc] 3 ci] 5
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CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lc [Comm 100 Oral Comm] [Phys 100 Fund of Phys S	] 3 3 1 16 nt] 3 oc] 3 ci] 5
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CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE Sophomore 1st Semeste	Econ 180 Amer Econ Sys  College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lc [Comm 100 Oral Comm] [Phys 100 Fund of Phys See Year er	] 3 3 1 16 nt] 3 3 oc] 3 3 ci] 5 17
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE Sophomore 1st Semeste Soc Elective	Econ 180 Amer Econ Sys  College Orientation  er  [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lc [Comm 100 Oral Comm] [Phys 100 Fund of Phys Server er ever with approval of adviser	] 3 3 1 16 16 nt] 3 3 0c] 3 3 ci] 5 17
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CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm] [Phys 100 Fund of Phys S  e Year er ewith approval of adviser [Math 125 Cont Math] [English Lit] Elective	] 3 3 1 16 nt] 3 3 cc] 3 3 ci] 5 17
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE Sophomore 1st Semeste Soc Elective CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm] [Phys 100 Fund of Phys S  e Year er with approval of adviser [Math 125 Cont Math] [English Lit]	] 3 3 1 16 16 nt] 3 3 cci] 5 17
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE CORE	Econ 180 Amer Econ Sys  College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm] [Phys 100 Fund of Phys S  e Year er ewith approval of adviser [Math 125 Cont Math] [English Lit] Elective	] 3 3 1 16 16 nt] 3 3 ci] 5 17
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CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE CORE	College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm] [Phys 100 Fund of Phys Service with approval of adviser [Math 125 Cont Math] [English Lit] Elective [Bio 101 General Biology]	] 3 3 1 16 16 nt] 3 3 ci] 5 17
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE CORE	College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm] [Phys 100 Fund of Phys S  e Year er ewith approval of adviser [Math 125 Cont Math] [English Lit] Elective [Bio 101 General Biology]	] 3 3 1 16 16 nt] 3 3 3 3 3 3 4 16 3
CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE CORE	College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lc [Comm 100 Oral Comm] [Phys 100 Fund of Phys S  e Year er with approval of adviser [Math 125 Cont Math] [English Lit] Elective [Bio 101 General Biology]  ter Elective	] 3 3 1 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
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CORE Elective Psy 120  2nd Semest CORE CORE CORE CORE CORE CORE CORE CORE	College Orientation  er [Hist 120 U.S. 1877-Prese [Eng 102 Comp II] [PSc 120 Gov't: U.S./Sta/Lo [Comm 100 Oral Comm] [Phys 100 Fund of Phys S  e Year er ewith approval of adviser [Math 125 Cont Math] [English Lit] Elective [Bio 101 General Biology]  ter Elective [Humanities and Fine Arts [Kine 103 Lifetime Wellne	] 3 3 1 16 16 17 3 3 3 3 4 16 3 3 3 5 5 ] 2 6

1st Semeste	r	
Comp 105	Intro to Micro Use	3
Soc 311	Social Stratification**	3
CORE	[Psy 320 App Stat]	3
Soc	[Upper Division Elective]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 320 U.S. 1877-Presen	t] 3
CORE	[Kine 101 Physical Activity]	1
		16
2nd Semest	er	
Soc 362	Deviant Behavior**	3
Soc 361	Study of Population	3
Electives	[A minor is suggested]	6
Soc 300	Comp App in Sociology**	3
		15
Senior Yea	r	
1st Semeste		
Soc 431	Soc Research Methods**	3
Soc	Electives	6
Elective	[A minor is suggested]	6
		15
2nd Semes		
Soc 482	Sociological Theory**	3
Soc	Elective	3
Electives	[A minor is suggested]	9
		15
*Also meets	s a Core Curriculum requirem	ent.

\*\*Prerequisites

Junior Year

[Department Recommendations]

The student is to select a minor in consultation with a sociology adviser.

For additional information contact:

Dr. Richard Miller

Office: Webster Hall 245 Phone: 417.625.9565

E-mail: miller-r@mail.mssc.edu

## Course Descriptions

## Anthropology

Anth 155 (F) 3 hrs. cr.

Physical Anthropology and Archaeology

Physical and cultural anthropology with particular emphasis on the linkage of human prehistory to the development of culture and the human capacity for society. Can be used to satisfy the Core Curriculum requirement in Area 5.

Anth 298 (Demand) 3 hrs. cr.

Topics in Anthropology

Special Anthropology topics of current interest. Subjects and instructors may vary each semester. Students are encourage to submit areas of interest to the social science department.

3 hrs. cr. Anth 302 (S)

#### North American Indian

Ethnographic survey of the indigenous tribes of North America (excluding Mexico), including earliest archeological sequences followed by a description of the culture areas and traditional lifeways encompassed therein at the time of European contact, with emphasis upon the processes of culture change and adaptation over the past to centuries. Contemporary issues such as language renewal, the Pan-Indian movement, religious freedom and tribal sovereignty are then placed within their cultural and historical contexts.

Anth 342 (S) **Comparative Cultures** 

A comparative study of human society and culture, focusing on theories of culture and cultural institutions as they relate to contemporary preindustrial peoples. An ethnographic examination of representative groups is provided for purposes of cross-cultural comparison. Can be used to satisfy the Core Curriculum requirement in Area 5. Prerequisite: Soc 110 or Anth 155 or consent of instructor.

3 hrs. cr. Anth 385 (F)

Language and Culture

Exploration of the relationship between language and culture from the theoretical and substantive approaches within anthropology, including the Sapir-Whorf hypothesis and the attempts to support or refute it. An ethnographic examination of the expressive potentialities of diverse languages and cultures is provided for purposes of crosscultural comparison.

3 hrs. cr. Anth 498 (Demand)

Seminar in Anthropology

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research.

3 hrs. cr. Anth 499 (Demand)

Independent Study

Stuctured by the adviser with approval of the department chair and school dean.

## Sociology

3 hrs. cr. Soc 110 (F, S)

Introduction to Sociology A systematic study of society. Emphasis on ma-

jor concepts of sociology and the scientific point of view in dealing with social phenomena. Satisfies a Core Curriculum requirement.

## Sociology / 129

Soc 210 (F, S)

3 hrs. cr.

#### Social Problems

A survey of contemporary social problems including racism, sexism, crime and deviance, drug use, and mental disorders. The course encourages a critical examination of society and focuses on the structural sources of social problems such as class, race, and gender. The role of the U.S. in global social problems is also explored. Prerequisite: Soc 110.

Soc 221 (F)

3 hrs. cr.

#### Marriage and Family

Paired relationships, marriage as the genesis of family life, elements in the preparation for marriage and parenthood and the development of family relationships throughout the life cycle.

Soc 291 (F)

3 hrs. cr.

#### The Sociology of Death and Dying

A review of the international religious, secular and scientific expressions regarding death. Historical and current issues pertaining to death are explored and a critical perspective is taken on all positions. The course incorporates both philosophical and pragmatic overviews of death and dying.

Soc 298 (Demand)

3 hrs. cr.

#### Topics in Sociology

Special sociology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social science department.

Soc 300 (F,S)

3 hrs. cr.

#### Computer Applications in the Sociology

An analysis of computers and their applications in the social sciences. Focus on preexisting software designed for use by social science disciplines. Emphasis on data entry, analysis and interpretation of printouts. Prerequisite: Psc 280 or Psy 320.

Soc 301 (F)

3 hrs. cr.

#### Sociology of Religion

Religion as a major social institution. Compares religions regarding behavioral content. Major attention is given to the nature of religion, organized religion and how religion is integrated into society. Limited attention given to the behavioral expectations associated with the major religions of the world. Prerequisite: Soc 110.

Soc 303 (S)

3 hrs. cr.

#### The Arab World

A social science view of the Arab world which identifies peoples, countries, geographical settings, cultural differences, cultural change, political and religious affiliations, and the emergence of contemporary issues. Special emphasis will be placed upon the Israel - Palestine - Jordan problem area. Can be used to satisfy the Core Curriculum in Area 5.

Soc 306 (S)

3 hrs. cr.

#### Sociology of Aging

A review of aging studies with particular emphasis on needs, problems, areas of concern, aging theories, social services for the elderly and accumulated data from gerontological research. Such topics as life changes, retirement and alternative life styles among the elderly will be analyzed. Prerequisite: Soc 110.

Soc 311 (F)

3 hrs. cr.

Social Stratification (Writing Intensive) Examination of differences in power, privilege and prestige. Analysis of the effects of social inequality on people's lives within the United States and an overview of the complex array of social structures which comprise international systems of inequality by race/ethnicity, gender and social class. Prerequisite: Soc 110.

Soc 312 (S)

3 hrs. cr.

#### Juvenile Delinguency

Analysis of environment and social background for juvenile delinquency behaviors. Investigation of behavioral content and scope of official delinquency. Review of the influences of family, school, peer groups and gangs, and the juvenile justice and corrections system. Prerequisite: Soc 110.

Soc 319 (F)

3 hrs. cr.

#### Individual and Society

Theoretical examination of the individual as a social product and social force. Study the foundations of human interaction, process of socialization, and differentiation of individuals. Focus on perceptions, attitudes, and beliefs within the individual as we examine individual behavior within the social context. Prerequisite: Soc 110.

Soc 322 (S)

#### Sociology of Work and Leisure

Analysis of work, occupations, career mobility and job satisfaction as important elements in society. Examination of leisure activities which alter with technological advances and the changing economic base. Prerequisite: Soc 110.

Soc 331 (F)

3 hrs. cr.

#### Introduction to Social Work

Philosophical and historical development of social work as a professional career. Focuses on role of the social worker within the various practice settings. May entail field trips and guest speakers. Prerequisite: Soc 110.

Soc 332 (S)

#### **Social Work Practice**

Emphasizes the development of skills needed to initiate, enhance, or restore relationships between clients and society. Focuses on techniques and case management, analysis of cases and practical experience in a social agency or community program providing human services. Admission dependent on departmental committee approval. Prerequisite: Soc 331 and junior standing.

Soc 341 (F)

3 hrs. cr.

#### Gender Roles

Introduction to the biological, cultural and structural foundations of gender. Explores theories that help to explain gender, a fundamental and pervasive determinant of social life. Studies reviewed that illustrate differences in the evaluations of men's and women's activities and traditional gender roles. Sociological implications of sex and gender at both the personal (micro) and societal (macro) levels of analysis will be discussed. Prerequisite: Soc 110.

Soc 343 (F)

3 hrs. cr.

#### **Visual Sociology**

An exploration of the varied ways that visual images may be incorporated into sociological research. Overview of the principals of visual research. The three categories of techniques explored are: using images to illustrate or illuminate sociological research, using images to gather sociological information, and examining images from a sociological perspective. Emphasis on learning to apply these techniques to any sociological problem. Prerequisite: 9 hours of sociology.

Soc 351 (F)

#### Criminology

Social and legal concept of crime. Review of measurements and data of crime(s) and the theories related to the cause of criminal behaviors. Discussion of profiles of different adult offenders and their behavioral characteristics relative to the major felonies committed in contemporary society. Prerequisite: Soc 110.

Soc 354 (S)

3 hrs. cr.

#### Sociology of Health and Illness

Social causes and consequences of health and illness. The expanding role of health-related organizations, the training of health care personnel, and the contemporary consumer's movement are also explored. A cross-cultural comparison of health care delivery systems and a review of various social problems associated with health care in the U.S. is provided. Prerequisite: Soc 110.

Soc 361 (F)

3 hrs. cr.

#### The Study of Populations

Changes in human population through an analysis of birth rates, death rates and migrations. Social demographic analysis of census and independent research data. Various population theories are applied to national and world situations. Concepts of over-population, minority groups and aging are analyzed. Prerequisite: Soc 110.

Soc 362 (F)

3 hrs. cr.

#### **Deviant Behavior**

Theoretical explanations of socially disapproved behavior from the sociological perspective and the application of these concepts to specific forms of deviance. Analysis of the social nature of conforming behavior as a way of increasing understanding of deviant behavior. Prerequisite: 6 hours of Sociology.

## 130 / Sociology

Soc 373 (F)

3 hrs. cr.

Sociology of Sports

The examination of sports as social phenomena, using sociological tools to place sports with the larger context of social structure. Sports involve social relationships and collective action and have relevance in people's social lives. As such, it is important to investigate how they are defined, organized and integrated into the culture of society and to increase awareness of their positive and negative consequences. Prerequisite: Soc 110.

Soc 382 (S)

3 hrs. cr.

#### Minority Groups and Race Relations

A study of racial and cultural groups particularly focusing on the United States with some analysis of international ethnic relations. Analyzes several general theories and explanations for minority-dominant relations. Includes a study of legislation affecting minorities in the U.S. Prerequisite: Soc 110.

Soc 391 (F)

3 hrs. cr.

**Penology and Corrections** 

Philosophy, history and operations of penitentiary systems with special attention given to changes in adult institutions. Explanation of the problems associated with prison populations and types of facilities along with sentences, therapeutic models and community treatment. Prerequisite: Soc 110.

Soc 395 (S)

3 hrs. cr.

#### **Collective Behavior**

Emerging social processes related to crowd behavior such as riots panics, mass hysteria's, fads and social movements. Exploration of the theories that have been applied to such occurrences. Examination of several specific episodes of collective behavior from the perspective of these theories. Prerequisite: 9 hours of sociology or consent of instructor.

Soc 396 (F)

3 hrs. cr.

#### Sociology of Education

An analysis of the functions and processes that characterize the social institution of education (e.g., cultural transmission and social control), the role of the education in the process of social stratification (e.g., ability grouping and social class reproduction) and attempts to achieve equality of the educational opportunity (e.g., by race/ethnicity, gender and social class). Includes an exploration of the relationships between education and the other social institutions (including the family, religion and the economy).

Soc 402 (S)

3 hrs. cr.

#### The Community - Rural

and Urban (Writing Intensive)
Social processes of human groups who share common unities of territory and cultural bonds.
Major attention on gemeinschaft-gesellschaft theories as they pertain to national, rural, urban, ethnic and subcultural communities, and how these intertwine in contemporary societies. Prerequisite: Soc 110.

Soc 406 (S)

3 hrs. cr.

Sociology of Child Abuse

An analysis of child abuse and neglect as it has developed within the United States. The dynamics of the family environment as well as the victim-perpetrator relationship will be examined. Emphasis will be placed on societal reaction to both abuser and the abused in addition to the behavior itself. Potential treatment alternatives will be analyzed. Prerequisite: 12 hrs. of sociology.

Soc 407 (F)

3 hrs. cr.

#### Sociology and the Mass Media

Importance of mass media in shaping and creating cultural perceptions. As an agent of Socialization that has continued to expand its influence by virtue of its pervasiveness, it is important to examine the nature and impact of its messages. Prerequisite: Soc 110.

Soc 431 (F)

3 hrs. cr.

Sociological Research

Methods (Writing Intensive)
Methods of problem and hypotheses formulation

Methods of problem and hypotheses formulation and data collection, including interviewing and instrumentation. Focus on the analysis of research findings and ethical procedures. Emphasizes survey designs employed in sociological inquiry. Prerequisite: 12 hrs. of sociology.

Soc 482 (S)

3 hrs. cr.

#### Sociological Theory

Classical and contemporary theory placed in historical perspective. An analysis and interpretation of social groups, social organizations and social systems through the study of social thought from Auguste Comte to theorists in the modern period. Prerequisite: 9 hrs. of sociology.

Soc 496 (Demand)

1-8 hrs. cr.

Internship in Sociology

Observation of and participation in various social service agencies in the community. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating agency personnel. No more than three hours may be counted toward a major or minor. Prerequisites: 15 hrs. of sociology, junior standing or above and approval of a departmental committee.

Soc 498 (Demand)

3 hrs. cr.

#### Seminar in Sociology

For upper division sociology majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue indepth research and ability to assimilate topics. It will include areas not already treated in other sociology courses. Prerequisite: 15 hrs. of sociology or consent of instructor.

Soc 499 (Demand)

1-2-3 hrs. cr.

Independent Study

Structured by the adviser with the approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Enrollment in the course must be approved by department head and dean

## Theatre

Taylor Auditorium 243, 417.625.9393

**Faculty** J. Fields - Head, S. Claussen, A. Jaros, A. Pinkston, D. Hunt (Professor Emeritus)

Specialized theatre training provides students with a broad academic background that can lead to a number of careers. Graduates of the Missouri Southern theatre department are currently employed in fields such as:

Theatre Performance/Design

Television Production/Performance

Commercials

**Public Relations** 

Stage Management

Graduate Study

Executive Leadership

Recreational Directorship

Technical Theatre

Personnel Management Government Service

Fashion Industry

TV Anchor

**Business** 

Computer Technology

Secondary Education

Film Cartoon Director

Ministry

Magician

Theme Park Performance/Production

Factors Unique to Theatre Department:

- hands-on experience for students in acting, house and stage management, directing, and technical production and design;
- a children's theatre play program performing for more than 15,000 people annually from the four state area;
- production participation open to all Southern students, faculty and staff;
- theatre faculty members who have professional experience in their teaching specialties;
- a modern, well-equipped mainstage theatre as well as flexible space for studio productions;

## Theatre / 131

 two theatre organizations: College Players and Alpha Psi Omega, a national honorary fraternity.

The theatre department offers a bachelor of arts degree with a major in theatre, a bachelor of science in education degree with a major in theatre/speech (plan B), and an associate of arts degree with a performance or a non-performance option. A minor in theatre is also available. During their senior year, all majors must take a final exam covering all areas of the theatre and present a creative exiting project in addition to participating in the college general assessment program.

To satisfy the college-wide computer literacy requirement, theatre majors earning a B.A. should complete Comp 105 or above. Those earning a B.S.E. must take Educ 301.

It is recommended that students pursuing a degree in theatre meet with their faculty adviser at least twice each semester, once in addition to planning their next semester's schedule. More detailed information is available in the theatre office, 243 Taylor Performing Arts Center.

#### Bachelor of Arts with a Major in Theatre

		Semester H	lours
	Core Requ	irements (p. 33) 51*	48
		Literacy Requirement	
	Comp 105		3
V	Foreign La	inguage (four courses in	
	same lang		12
	Theatre Re	equirements	49
	Th 110	Theatre Appreciation	3
	Th 121,122	,221,222 Theatre Laborate	ory
	(Select two	)	4
	Th 142	Theatre Technology	3
	Th 231	Speech for Stage I	3
	Th 232	Costume Technology	3
	Th 233	Stage Makeup	3
	Th 234	Introduction to	
,		Theatrical Design	3
	Th 241	Acting I (WI)	3
	Th 331	History of Theatre (WI)	3
	Th 332	History of Theatre (WI)	3
	Th 341	Acting II**	3
	Th 351	Directing I**	3
	Th 362	Stage Costume Design**	3
	Th 320	Lighting Design**	
	OR		
1	Th 361	History of Costume**	
	OR		
	Th 372	Directing II**	3

		12/1***
Electives		12
Th 441	Stage Design**	3
Th 431	Creative Dramatics	3
OR		
Th 422	Acting III**	

Core Curriculum requirement in Area 2A Humanities and Fine Arts is fulfilled by Th 110 (Theatre Appreciation) and Area 2C must be fulfilled by Art 110 (Art Appreciation) or Mus 110 (Music Appreciation).

#### \*\*See Prerequisites

\*\*\*Three Writing Intensive (WI) courses in addition to English composition must be included. Two of these must be upper division courses and one of the two must be in theatre.

A total of 40 upper division hours (300-400) are required, 24 specified in theatre plus 16 electives in other areas.

# Bachelor of Science in Education with a Major in Theatre/Speech Communications Grades 9-12 Certification Plan B Single Teaching Field

Core Requirements (p. 33) 51*	_
	2
Theatre Requirements 23	J
Th 110 Theatre Appreciation 3	
Th 121 or 122 or 221 or 222 Theatre	
Laboratory 2	
Th 142 Theatre Technology 3	
Th 212 Oral Interpretation 3	
Th 234 Introduction to	
Theatrical Design 3	
Th 241 Acting I (WI) 3	
Th 331 History of Theatre (WI)	
OR	
Th 332 History of Theatre (WI) 3	
Th 351 Directing I** 3	
Communication Requirements 12	2
Comm 101 Intro to Human Comm 3	
Comm 215 Interpersonal Comm** 3	
Comm 304 Small Group Comm 3	
Comm 315 Argumentation and	
Debate** 3	

Speech Communication Electives\*\*\* 8 Education Certification Requirements (p. 167) 39-42 130-133 Core Curriculum requirement in Area 2A Humanities and Fine Arts is fulfilled by Th 110 (Theatre Appreciation).

Core Curriculum requirement for Area 3C must be satisfied by Psychology 100

#### \*\*See Prerequisites

\*\*\*Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre. Students pursuing the BSE degree must receive no lower grade than a "C" in all required theatre/communication courses.

#### Associate of Arts with an Emphasis in Theatre

Semester Hours

Core Requirements (p. 34)	42
Candidates for the associate of arts	de-
gree with an emphasis in Theatre n	านรt
select Th 110, Theatre Appreciation	for
Area 2A of the Core	

## Theatre Requirements (Select Option A or B)

	nance Option 2,201,202 Theatre	25
111 101,102	Performance (2)	
OR	r enormance (2)	
	2,221,222 Theatre	
111 121,122	Laboratory	2
Th 231	Speech for Stage I	2
Th 241	Acting I	3
Th 242	Theatre Movement I	1
Th 251	Audition Techniques	·
	For the Actor	1
Th 341	Acting II	3
Th 233	Stage Makeup	3
Th 142	Theatre Technology	
OR	0,	
Th 232	Costume Technology	3
Plus 2 Cou	rses from list below	6
Th 212	Oral Interpretation	
Th 235	Stage Combat	
Th 240	Speech for Stage II	
Th 243	Musical Theatre	
Th 141	Improvisational Acting	
Th 422	Acting III	
Th 431	Creative Dramatics	
Th 351	Directing I	
Th 372	Directing II	
Th 331	History of Theatre	
Th 332	History of Theatre	-
		67

67

## 132 / Theatre

132 /	Illeaut						
3. Non-Pe	erformance Option	24	*All course	s must be selected wit	h adviser	2nd Semes	
	2, 221, 222 Theatre		approval. S	Six hours must be upper	division.	Th 362	Stage Costume Design* 3
aboratory		6	**See Prer	equisites		Th 332	History of the Theatre 3
h 142	Theatre Technology	3				CORE	[Hist 120 U.S. 1877-Pres] 3 nauage 3
h 234	Introduction to					Foreign La	33-
	Theatrical Design	3				Theatre Lie	13
h 232	Costume Technology						
R	Cociamo rocimology		Suc	gested Order of Stu	dv	Senior Yea	ar
h 320	Stage Lighting	3	Out	gooton or any or one	-	1st Semes	
h 241	Acting I	3				Th 361	History of Costume# 3
1241	Acting i	O	Bachelor			Th 351	Directing I** 3
luo 2 Cou	irses from list below	6	Major Cod			CORE	[Phys 100 Physical Science] 5
n 233	Stage Makeup	O	Theatre M	ajor		Foreign La	
	-						14
h 361	History of Costume		Freshman '			010	-1
h 311	Stage Management		1st Semeste	er		2nd Semes	
h 441	Stage Design		Course		Hours	Th 372	Directing II*# 3
h 362	Stage Costume Design		Th 121	Theatre Lab	2	Foreign La CORE	[Econ 180 Amer Econ Sys] 3
h 331	History of Theatre		Th 231	Speech For Stage I	3	CORE	[Psc 120 Gov't:US/Sta/Loc] 3
h 332	History of Theatre		Th 233 CORE	Stage Makeup [Eng 101 Comp I]	3	Elective	Theatre 3
h 382	Sound Design		CORE	Theatre Appreciation	3		15
		66	Psy 120	College Orientation	1		
			. 0, 120	- Junger - Horitanori	15	[Departme	nt Recommendations]
						*See prere	
linor in	Theatre		2nd Semes	ter			ubstituted for approved class in tecl
	Semester I	Hours	Th 142	Theatre Technology	3	acting area	a e
121, 12	2, 221, 222 Theatre		Th 241	Acting I	3	0	Florida
	(Select two)	4	CORE	[Eng 102 Comp II]	3		g Electives:
	eatre Appreciation	3	CORE	[Kine 101 Physical Activ			g, Art, Business, Communications lusic,Computer Science
	total of 11 hours from	_	CORE	[Math 125 or above]	3	Lingiisii, ivi	lasic, Compater Science
	ng list of classes:	11*	Th 212	Oral Interpretation	3 <b>16</b>	Eor additi	ional information contact:
h 141	Improvisational Acting	3			10	Dr. Jay Fi	
h 142	Theatre Technology	3	Sophomore	e Vear			
h 212	Oral Interpretation	3	1st Semest				aylor Performing Arts Center 2
h 233	•	3	Th 341	Acting II*	3		117.625.9393
h 234	Stage Makeup Introduction to	3	Th 221	Theatre Lab	2	E-mail: 116	elds-j@mail.mssc.edu
11 234		2	Th 251	Aud. Techniques for Ac	tor 1		
'- 004	Theatrical Design	3	Comp 105	or above Computer			
h 231	Speech for Stage I	3		Literacy Requirement	3	Bachelor	r of Science in Education
h 251	Audition Techniques		CORE	[Kine 103 Lifetime Well		Major Co	de 9025
	for the Actor	1	CORE	[Literature Choice]	3	Speech a	and Theatre
h 232	Costume Technology	3	CORE	[Hist 110 U.S. 1492-18]	77] 3 <b>17</b>	Grades 9	9-12 Certification
h 235	Stage Combat	3			17	Theatre I	Emphasis
h 240	Speech for Stage II	3	2nd Semes	ter		Plan B	Single Teaching Field
h 242	Theatre Movement I	1	Th 422	Acting III*#			
h 311	Stage Management**	3	OR			Freshman	Year
h 241	Acting I (WI)	3	Th 431	Creative Dramatics	3	1st Semes	
h 243	Musical Theatre	3	Th 234	Intro to Theatrical Designation		Courses	Hours
h 298	Explorations in		Th 320	Lighting Design *#	3	Educ 100	Orientation to Education I 1
	Theatre (when offered)	3	CORE	Art or Music Appreciation		Psy 100	General Psychology 3
h 320	Stage Lighting**	3	CORE	[Psy 100 or Soc 110]	3	Th 121	Theatre Lab
h 331	Theatre History (WI)	3	CORE	[Comm 100 Oral Comm	-	CORE	[Eng 101 Comp I] 3
h 332	Theatre History (WI)	3			18	Psy 120	College Orientation 1
h 333	Eastern Theatre Traditio	n3	Junior Yea			CORE	Theatre Appreciation 3
h 341	Acting II**	3	1st Semest			CORE	[Kine 101 Physical Activity] 1
h 351	Directing I**	3	Th 441	Stage Design*	3	Elective	17
h 361	History of Costume	3	Th 232	Costume Technology	3		17
h 362	Stage Costume Design*		Th 331	History of the Theatre	3		
h 372	Directing II**	3	CORE	[Bio 101 General Biolog			
h 382	Sound Design	3	Foreign Lar	-	3		

3

3

1-3

Th 382

Th 422

Th 435

Th 441

Sound Design

Theatre Internship

Stage Design\*\*

Acting III\*\*

Foreign Language

16

## **Theatre / 133**

2nd Semes			2nd Semes	ster		Associa	ite of Arts with an
Th 142	Theatre Technology	3	Educ 344	Tchng Spe & Th in Sec	Sch 2		sis in Theatre
Th 212	Oral Interpretation	3	Educ 402	Foundations in Educ	2		
Th 241	Acting I	3	Educ 432	Critical Issues	2	,	ode 7012
CORE	[Eng 102 Comp II]	3	Educ 412	Indiv Curr Development		Non-Per	formance Option
CORE	[Comm 100 Oral Comm]	3	OR	man can bevelopment	(-)		
CORE	[Math 125 or above]	3	Educ 420	Intro to Counseling**	3	Freshma	n Year
COME	[Matil 125 of above]			intro to Couriseiing	3	1st Seme	ster
		18	OR	14 0 5 1 (0)		Courses	Hou
	.,		Psy 412	Meas & Eval (2)	2	CORE	[Eng 101 Comp]
Sophomore			Educ 462	Stu Tchng in Sec Sch	8	CORE	[Kine 103 Lifetime Wellness
1st Semeste	er				16-17	CORE	
Take C-Bas	se test.		[Departmer	nt Recommendations]			[Th 110 Theatre Apprec]
Educ 200	Orientation to Education II	1				Th 121	Theatre Lab
Comm 101	Intro to Human Comm	3	*See prered	quisites		Th 232	Costume Technology
CORE	[Hist 120 U.S. 1877-Pres]	3	**Offered at	night only. Must be taken th	ne semes-	OR	
CORE	[Kine 103 Lifetime Wellness	12		tudent teaching. Can substi		Th 320	Stage Lighting (Spring, Odd
CORE	[Area 2-C Elective]	3		412 for Educ 420.		Th	Non-Performance Elective
CORE	[Econ 180 Amer Econ Sys]			can take Th 331 (Fall odd)	or Th 332		
COLL	[Econ 100 Amer Econ Gys]	15			01 111 002		
		13	(Spring eve	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2nd Seme	ester
and Camera				of Automates		CORE	[Eng 102 Comp]
2nd Semest				e of Arts with an		CORE	[Kine 101 Physical Activity]
	Imission to teacher education		Emphasis	s in Theatre		CORE	[Math 125 or above]
	02 The Exceptional Child	2	Major Coo	le 7011		CORE	[Psy 100 General Psychology
Educ 301	Computer Software	3		nce Option			
CORE	[Hist 110 U.S.1492-1877]	3	Citorina	option		Th 142	Theatre Technology
Comm 215	Interpersonal Comm	3				Th 241	Acting I
Th 234	Intro to Theatrical Design	3	Freshman				
Psy 301	Adolescent Psychology	3	1st Semest	er			
,	, acceptance of charge	17	Courses		Hours	Sophomo	ore Year
			CORE	[Eng 101 Comp]	3	1st Semes	ster
Junior Year			CORE	[Kine 103 Lifetime Wellne	essl 2	CORE	[Literature Choice]
			CORE	[Th 110 Theatre Apprec]	3	CORE	[Humanities Choice]
	competencies.		Th 121	Theatre Lab	2	CORE	[Bio 101 General Biology]
1st Semeste			Th 231	Speech for Stage I	3	CORE	[Psc 120 Gov't:US/Sta/Loc]
Th 331	History of Theatre***	3	Th 233	Stage Makeup	3	Th	Non-Performance Electives
Psy 310	Educational Psychology	2	111 233	Stage Makeup	16	111	
Educ 329	Ped Theo, Meth & Prac	4			10		
Educ 321	Microteaching	2	0 10			0 10	
Educ 423	Classroom Management	2	2nd Semes			2nd Seme	
Comm 304	Small Group Comm	3	CORE	[Eng 102 Comp]	3	CORE	[Comm 100 Oral Comm]
		16	CORE	[Kine 101 Physical Activi		CORE	[Phys 100 Physical Science]
Note: See F	Educ 420 below**		CORE	[Math 125 or above]	3	CORE	[Hist 110 or 120 US History]
	2000 120 201011		CORE	[Psy 100 General Psychol	logy]3	Th 234	Intro to Theatrical Design
2nd Semest	er		Th 241	Acting I	3		
		2	Th 242	Theatre Movement I	1		
Educ 422	Tchng Rdng in the Sec Sch		Th 142	Theatre Technology		For addit	ional information contact:
Comm	Electives*	4	OR				
CORE	[Phys 100 Physical Science	] 5	Th 232	Costume Tech (Fall, Odd	d) 3	Dr. Jay E	
CORE	[Psc 120 Gov't:US/Sta/Loc]	3	111 202	Costaine recir (raii, Odd	17	Office: T	aylor Performing Arts Center
CORE	[Area 2-B Elective]	3			17	Phone: 6	625-9393
		17	0 1	W.		F-mail: fi	elds-j@mail.mssc.edu
			Sophomor			L man. n	oldo j @ maii.mooc.odd
			1st Semest				
Senior Year			CORE	[Literature Choice]	3		
1st Semeste			CORE	[Humanities Choice]	3		
	ident teaching. All course wor	k must	CORE	[Bio 101 General Biology	] 4		
11 2	ed except for Professional Ser		CORE	[Psc 120 Gov't:US/Sta/Lo	-		
,	d except for Professional Ser	nester	Th 251	Aud. Techniques for Acto			
courses.	Discretion It	0	Th 341	Acting II	3		
Th 351	Directing I*	3			17		
Comm 315	Argumentation & Debate	3					
CORE	[Bio 101 General Biology]	4	and Comes	tor			
CORE	[Area 5-A Elective]	3	2nd Semes		0		
Comm	Electives*	3	CORE	[Comm 100 Oral Comm]	3		
		16	CORE	[Phys 100 Physical Scien			
			CORE	[Hist 110 or 120 US Histo			
			Th	Performance Electives	6		
					17		

## **Course Descriptions**

Th 101,102,201,202,301,302,401,402 (F, S, S)

1 hr. cr.

#### **Theatre Performance**

The performance of a role, service as a designer or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.

Th 110 (F, S, S)

3 hrs. cr.

#### **Theatre Appreciation**

Introduction to theatre as a communicative and fine art emphasizing collaborative efforts of playwright, artistic director, designer, actor, and crew. Activities include the interpretation and evaluation of plays through scripts, live, and taped performances. Satisfies 3 semester hours of Core Curriculum requirement in Area 2A or 2C (Humanities and Fine Arts).

Th 121,122,221,222,321,322 (F, S) 2 hrs. cr.

**Theatre Laboratory** 

A laboratory devoted to mounting the theatre's season. Meets two hrs. in sequence twice a week.

Th 141 (Demand)

3 hrs. cr.

#### Improvisational Acting

Development of individual's ability to express motivation, objective, thought, action and dialogue improvisationally. Daily discussions and improvisational exercises which lead to more believable stage performance.

Th 142 (S, Even or Demand)

3 hrs. cr.

#### **Theatre Technology**

Hardware and tool usage and technical drawing as applied to theatre. The use of electricity, sound and electronics in the theatre. Stage rigging.

Th 212 (S, Even)

3 hrs. cr.

#### **Oral Interpretation**

Principles and techniques for the public presentation of oral reading. Selection, analysis and preparation of different types of literature with emphasis on platform presentation of prose, po-

Th 231 (F, Odd)

3 hrs. cr.

#### Speech for Stage I

etry, drama and Readers Theatre.

Exercises and drills to improve projection, quality, flexibility and effectiveness of the speaking voice leading to good usage in Standard American speech, based on the International Phonetic Alphabet.

Th 232 (F, Odd or Demand)

3 hrs. cr.

#### Costume Technology

Basic techniques for construction of stage costumes from a designer's sketch. Areas covered are: fabrics, pattern development, cutting, sewing, dyeing and crafts. No previous skills required. Two hours lecture, 2-hrs. lab per week.

Th 233 (F, Odd or Demand)

3 hrs. cr.

Stage Makeup

Introduction to the design and application of makeup for the stage. Focus is on the application of two-dimensional makeups for both large and small theatres. The uses and sources of a variety of materials will be discussed. Students must provide their own makeup and supplies.

Th 234 (S, Odd or Demand) 3 hrs. cr. Introduction to Theatrical Design

Theoretical information which is common to all theatrical design courses. Emphasis is on developing creativity, script analysis, techniques of scenography, and collaboration, as well as the application of basic elements and principles of design in relation to the theatre.

Th 235 (F, Even)

3 hrs. cr.

Speech for Stage II

A continuation of stage speech training, emphasizing resonance, range, vocal dynamics, vocal expressiveness, and stage dialects. The course provides training in the most current and most significant voice methods for actors and speakers, and utilizes the International Phonetic Alphabet to develop performance skills in American regional and foreign dialects. Prerequisite: Th 231

Th 240 (S, Odd)

3 hrs. cr.

## Stage Combat and Physical Characterization

Survey of historic and theatrical contexts for several combat forms; basic training in non-violent approaches to hand-to-hand combat, quarterstaff, broadsword and rapier. Introduction to character and emotional centers, acting with whole body, and movement and voice for period styles in acting (selected from Shakespeare, Classical Greek, Social Comedy and Farce).

Th 241 (S, Even or Demand)

3 hrs. cr. (Writing Intensive)

Acting I (Writing Intensive)
Development of individual's ability to express
thought and emotion through effective use of the
voice and body. Character analysis and creation
revealed in exercises and scene work.

Th 242 (S, Even)

1 hr. cr.

#### Theatre Movement I

Historical development and implementation of theatrical movement. Exercises and assignments focus on the enhancement of nonverbal character interpretation through individual study and inclass application of movement, gestures and postures, including an assimilation of cultural influences, pantomime, masque and improvisation. Two 1 hr. labs per week.

Th 243 (F, Odd)

3 hrs. cr.

#### **Musical Theatre**

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production the spring semester of that school year. Course also offered under Mus 243.

Th 251 (F, Even)

1 hr. cr.

#### **Audition Techniques For The Actor**

Techniques of auditioning and interviewing in the theatre: selecting audition pieces, rehearsing and performing auditions. Instruction in preparing resumes and photographs for professions.

Th 298 (Demand)

3 hrs. cr.

#### **Exploration in Theatre**

Concentrated study on a variety of selected theatre topics. Each offering on a different subject. May be repeated, but same topic only once.

Th 311 (F, Even or Demand)

3 hrs. cr.

Stage Management

Fundamentals of stage management. Organization of call board, rehearsals and performances. Communication procedures between actors, director and designers. Calling the show. Prerequisite: Th 142.

Th 320 (S, Odd or Demand)

3 hrs. cr.

Stage Lighting

Lighting design approached artistically. The use of lighting for atmosphere, mood and emphasis. Lighting as applied to art, television, theatre and motion pictures. Prerequisites: Th 142 & 234.

Th 331 (F, Odd)

3 hrs. cr.

History of the Theatre (Writing Intensive)
Theatre from primitive time through the Elizabethan period. Theatre and stage architecture, scene design, acting styles, theatre management and the culture surrounding the theatrical event. Analysis of their relationship to dramatic literature.

Th 332 (S, Even)

3 hrs. cr.

**History of the Theatre** (Writing Intensive) Plays and playwrights from the Jacobean period through the present day. The cultural background and evolution of the literature, physical theatre, staging, acting, audiences, and production practices.

Th 333 (Demand)

3 hrs. cr.

#### **Eastern Theatre Tradition**

The study of Eastern thought and culture in the discipline of theatre. All areas of design as well as acting and movement will be discussed.

Th 341 (F, Even or Demand)

3 hrs. cr.

Acting II

The dynamics of analysis, rehearsal and performance of scenes from contemporary and classic plays. Emphasis on the actor's relationship to the play and to other actors. Prerequisite: Th 241.

## Theatre / 135

Th 351 (F, Even or Demand)

3 hrs. cr. Directing I

A comprehensive study of various problems confronting a stage director. Techniques and procedures for play selection, analysis and mounting a production. Scene directing. Prerequisite: Th 241.

Th 361 (F, Even)

3 hrs. cr.

**History of Costume** 

Survey of the garments and fabrics worn in Western cultures from Ancient Greece through the 19th Century. (Recommended for Stage Costume Design.)

Th 362 (S, Even)

Stage Costume Design

Theory and practical aspects of costume design. Emphasis on non-verbal communication of theme, character and historical period through rendered costume designs. Recommended prerequisite is History of Costume. Prerequisite: Th 234.

Th 372 (S, Odd)

3 hrs. cr.

3 hrs. cr.

Directing II

Study of the skills and role of a director, casting, production administration and director-actor relationship. Experience and group evaluation in directing one-act plays before departmental or public audience. Prerequisite: Th 351.

Th 382 (S, Even or Demand)

3 hrs. cr.

Sound design approached artistically and practically. The use of sound effects and music for atmosphere, mood and emphasis. The research, recording, and playback methods of sound effects and music. Types of setup and the equipment used for sound as applied to theatre and live concerts. Prerequisite: Th 142

Th 422 (S, Odd)

Sound Design

3 hrs. cr.

Acting III

Study and presentation of selected historic performance styles, with particular attention to physical manners and speech. Emphasis on Shakespearean language and performance, farce and social comedy. Prerequisite: Th 341.

Th 431 (S, Odd)

3 hrs. cr.

**Creative Dramatics** 

Methods and techniques of teaching dramatic improvisations for young people through the exploration of various art forms appropriate for dramatic presentation with an emphasis on storytelling.

Th 441 (F, Odd or Demand)

3 hrs. cr.

Stage Design

Scene design approached artistically. Focus on nonverbal communication between directors, designers, technicians and audience members. Prerequisites Th 142 and Th 234.

Th 450 (F, S)

1-3 hrs. cr.

**Advanced Lab Practicum** 

Advanced practical implementation of techniques learned at beginning and intermediate levels of theatre production in the areas of directing and design. Play production for public performance. May be repeated for credit.

Th 455 (Demand)

1-3 hrs. cr.

Theatre Internships

Internship in theatre provides selected students on-the-job training and experience. The student is supervised and evaluated by a committee of faculty and by the supervisor at the facility where the student works. May be taken twice.

Th 498 (Demand)

3 hrs. cr.

**Theatre Studies** 

Seminar in theatre for advanced students. Topic open. Approval of department head. Prerequisite: Advanced standing in major field with a GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.

Th 499 (F, S)

1-3 hrs. cr.

Independent Study in Theatre

Structured by the adviser with approval of department head. Prerequisite: Advanced standing in major field with GPA of 3.0. Enrollment must be approved by adviser, department head and school



Accounting
Business Education
Entrepreneurship
Finance & Economics
General Business
International Business
Management
Management Technology
Marketing

## **School of Business Administration**

#### School Dean

James M. Gray
Matthews Hall 302, 417.625.9319

#### **Degrees and Majors**

Bachelor of Science in Business Administration

Accounting
Finance and Economics
General Business
International Business
Management
Marketing

#### **Associate of Science**

Accounting General Business

#### Concentration

Entrepreneurship

Bachelor of Science in Education (in cooperation with the School of Education)

Business Education as a single teaching field Business Education as one of two teaching fields

Bachelor of Science in Management Technology (in cooperation with the School of Technology)

General Business

#### Mission

The aim of all activity in the School of Business Administration is to assist students in the development of those intellectual, personal and professional attributes, which will prepare them to exercise responsibility in the complex business environment of the future. The faculty of the School of Business Administration recognizes that the pace of change in our society will guickly render vocationally oriented information and training obsolete and that the routine details and techniques of the world of work must be acquired through actual experience. The role of the School of Business Administration, therefore, is not to teach skill specific techniques or to offer training for the first job, but to provide the educational opportunity to allow students to develop familiarity with analysis, communications, leadership and interpersonal relations within the context of professional education for business administration.

#### **Objectives**

The objectives of the School of Business Administration are:

- to maintain a relevant curriculum which will provide the necessary managerial and administrative education for the School of Business Administration graduates;
- to prepare the School of Business Administration graduates for leadership roles by stimulating rigorous, imaginative, analytical and probing attitudes so that the graduates can express themselves competently and apply problemsolving techniques;
- to provide a faculty committed to teaching excellence, scholarship, and community service;
- to maintain facilities and equipment necessary to foster high quality education in the School of Business Administration;
- to interact with the business community to identify and serve their educational needs and to provide opportunity for professional growth for our students and faculty.

#### **Student Organizations**

The Accounting Club is open to accounting students seeking information regarding the profession and association with practicing accountants. Members are encouraged to attend monthly technical meetings and social functions. Members are also encouraged to become active in one or more of the area's professional accounting organizations.

Finance Investment Club is open to all majors seeking practical experience in portfolio management. Members actively manage the fund, which consists of stocks, bonds and mutual funds. Students are encouraged to attend monthly meetings and join the National Financial Management Association.

Omicron Delta Epsilon is the honorary economics fraternity open to juniors with at least 15 hours in economics or finance, and a 3.5 GPA in economics or finance courses.

**Delta Epsilon Chi** is open to all majors who are interested in learning the skills of developing marketing relationships. The club

facilitates members' professional development by introducing students to leading marketers, firms engaged in marketing, field trips, and through club activities. Students learn leadership skills by participating in social and club activities.

Phi Beta Lambda is based on a set of goals, which includes the development of competent and aggressive business leadership, creation of more interest and understanding of American business enterprise and participation in worthy undertakings for the improvement of business and citizenship. PBL is open to all business and computer science students and serves as a vehicle for professionals.

Missouri Southern Business Education Association is open to all business education majors. The organization is based on a set of goals to provide students information regarding the teaching profession and to prepare them for their career. Networking opportunities are made available for members by having teachers, school administrators, state department personnel, and various other professionals speak at the monthly meetings.

Students in Free Enterprise (SIFE) is a nonprofit corporation organized to promote the free enterprise system. The group participates in national competitions, finishing as high as second on two different occasions.

Society for Advancement of Management is a professional organization whose mission is to foster the interaction of students, faculty, and practicing managers in order to communicate the practice of professional management. The organization is open to all business majors, particularly management and marketing students, and offers its members a personal introduction to practicing managers in the local community.

The Society of Human Resource Management is based on a set of goals, which includes familiarizing students with human resource administration, industrial psychology, and labor relations. It is also designed to keep students up to date on new developments and to develop a nucleus of truly professional human resource for the future.

## **Business Administration / 139**

Total for Minor (Accounting)

#### Small Business Development Center

The School of Business Administration, in conjunction with the Small Business Administration, has formed a Small Business Development Center, which encompasses the following areas:

## The International Trade and Quality Center

The mission of the International Trade and Quality Center in the School of Business is to:

- develop international consulting and other relevant services for four-state organizations and individuals who are or wish to be involved in international trade:
- assist area organizations in their quest for continuous improvement of products, processes and services to enhance quality while reducing cost;
- enhance the business curriculum by providing international and quality resources, internship opportunities and other appropriate assistance for faculty and students.

These objectives are met via assessment activities, research, educational programs, consulting, and serving as a clearinghouse for materials such as books, literature, tapes, and equipment.

## The Southern Business and Economic Review

The Southern Business and Economic Review is published quarterly by the Small Business Development Center within the School of Business Administration. Each issue contains local economic indicators and articles of interest to local business people. The Bureau also maintains a data bank of economic statistics, which is available to local business people.

#### Business and Economic Lecture Series

The School of Business Administration sponsors an annual lecture series. Speakers of interest to both students and local business people appear each semester. Normally they speak both during the day and the evening. J. Peter Grace and William S. Rukeyser are two of the prominent speakers who have appeared in the series.

#### **Management Development Institute**

The School of Business Administration has established a Management Development Institute to help local businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars for the local businesses.

#### Center for Entrepreneurship

The primary purpose of the Center for Entrepreneurship is to provide relevant and practical information concerning starting and running a small business. The Center also seeks to encourage new business start-ups by providing student consultants and faculty evaluation of business plans.

#### **Business Core Requirements**

All B.S.B.A. candidates must take the following "core" courses in addition to the courses required in their major (See course descriptions for prerequisites):

## Business Administration Core Requirements

	Semester I	Но	ur
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
Econ 350	Financial Management	3	
GB 301	Legal Environment of		
	Business I	3	
GB 320	Business Comm (WI)	3	
GB 321	Business Statistics I	3	
MM 237	Using Info Systems	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management (WI)	3	
MM 452	Strategic Mgmt (WI)	3	
Advanced E	Business Elective*	3	
<b>Total Busin</b>	ness Core		3

\*Must be selected in consultation with adviser from 300 or 400 level courses in School of Business Administration. May not be "double counted" as part of major requirements. Mathematics - All candidates for the B.S.B.A. degree must complete Mathematics 130 or higher (Finite Mathematics 131 recommended) as their Core Curriculum mathematics course.

#### **Minors**

(Accounting, Finance/Economics, General Business, International Business, Management, and Marketing) for non-BSBA degree candidates.

## Minor in Accounting (Non-BSBA degree candidates)

noquirou.		
Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
GB 301	Legal Environment	
	of Business I	3
Econ 350	Financial Management	3
Upper-level	accounting electives	6

Choose one:			
Acct 310	Cost Accounting		
Acct 325	Managerial Accounting		

## Minor in Finance/Economics (Non-BSBA degree candidates)

Acct 201	Prin of Accounting I	3
Econ 201	Prin of Economics-Macro	
OR		
Econ 180	American Econ System	3
Econ 202	Prin of Economics-Micro	3
Econ 300	Money and Banking	3
Choose thi	ree:	9
Acct 202	Prin of Accounting II	
Econ 330	Prin of Insurance	
Econ 350	Financial Management	
Econ 401	Microeconomic Analysis	
Econ 402	Macroeconomic Analysis	
Econ 411	Investments	
Econ 420	Security Analysis	
Econ 450	Financial Strategy	
Total for M	inor (Finance/Economic	s) 2

## Minor in General Business (Non-BSBA degree candidates)

(INOII-D2D)	a degree candidates)	
Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Econ 202	Prin of Economics-Micro*	3
Econ 350	Financial Management	3
MM 237	Using Info Systems	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3

\*Econ 201 should be taken as a core curriculum requirement.

Total for Minor (General Business) 21

#### Minor in International Business (Non-BSBA degree candidates) Prerequisites: 9

Econ 180	American Economic System
MM 300	Principles of Marketing
MM 350	Principles of Management (WI)
Required:	9
IB 310	International Business
IB 400	International Marketing
IB 410	International Management
Choose or	ne: 3
IB 420	International Accounting
IB 430	International Corporațe
	Finance
IB 491	Intership in International
	Business
IB 498	Special Topics in
	International Business

Independent Study in

International Business

IB 499

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21

21

MM 491

GB 302

IntS 302	World Environmental iss	ues
IntS 304	Comparative Political	
	Economy	
IntS 305	International Techno-Tre	nds
Foreigh La	anguage	
Other Inte	rnational Courses*	
Total for	Minor	
(Internation	onal Business)	21
*With the	approval of the course inst	ructo
and the D	ean of School of Business	
Administra	ation.	
Minor in	n Management	
(Non-BSE	BA degree candidates)	

1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Choose to	wo:	6
Acct 201	Prin of Accounting 1	
Econ 201	Prin of Economics-Macr	0
Econ 202	Prin of Economics-Micro	)
GB 320	Business Comm (WI)	
GB 321	Business Statistics I	
Required	:	
MM 350	Prin of Management (WI)	3
Choose for	our:	12
MM 337	Mgmt Information System	S
MM 352	Human Resource Mgmt	
MM 354	Quality Mgmt	
MM 411	Labor and Employment	
	Law	
MM 431	Operations Mgmt	
MM 441	Organizational Behavior	
MM 450	The Psy of HRM	
Total for	Minor (Management)	

Minor in Marketing			
(Non-BSBA degree candidates)			
Required	Required:		
Econ 202 Prin of Economics-Micro			
Choose o	one:	3	
Acct 201	Prin of Accounting I		
GB 320	Business Comm (WI)		
GB 321	Business Statistics I		
MM 350	Prin of Management (WI)		
Required			
MM 300	Prin of Marketing	3	
Choose f	our:	12	
MM 312	Retailing		
MM 321	Salesmanship		
MM 401	Promotional Strategy		
MM 405	Internet Marketing		
MM 412	Marketing Management		
MM 432	Consumer Behavior		
MM 470	Marketing Research		

**Total for Minor (Marketing)** 

#### **Minors**

(Accounting, E-Business, Finance/Economics, Human Resource Management, Multimedia, and Quality Management) for BSBA degree candidates.

<b>Minor in Accounting</b>
(BSBA degree candidate)
Required:
Acct 312 Intermediate Acc

Total for Minor (Accounting)		
Upper-lev	el accounting electives	9
Acct 310	Cost Accounting	3
Acct 375	Tax Accounting I	3
Acct 312	Intermediate Accounting I	3

## E-Business Minor

(BSBA degree candidate)
Required:
CIS 315 Computer Networl

CIS 315	Computer Networks I	3
MM 380	Database Marketing	3
MM 405	Internet Marketing	3
MM 498	Seminar in Mktg/Mgmt	3
Choose tw	0:	6
MM 337	Management Info System	ms
MM 340	Principles of Transportat	tion
MM 407	Internet Promotion	
Acct 419	Accounting Info Systems	S
Total for M	linor (E-Business)	18

#### Minor in Finance/Economics (BSBA degree candidate) Required: Econ 300 Money and Banking

LC011 300	Money and Danking	0
Econ 411	Investments	3
Econ 401	Microeconomic Analysis	
OR		
Econ 402	Macroeconomic Analysis	
OR		
Econ 450	Financial Strategy	3
Upper level	Econ/Finance electives	9
Total for M	inor (Finance/Economic	s) 18

#### Minor in Human Resource Management (BSBA degree candidate) Required:

Required:		
MM 350	Principles of Management	3
MM 352	Human Resource Mgmt	3
MM 411	Labor & Employment Law	3
Choose the	ee:	9
MM 354	Quality Management	
MM 441	Organizational Behavior	
MM 450	Psy of Human Res Momt	

Internship in Mktng/Mgmt

18

Legal Environment of

	Bus	iness II		
Total fo	r Minor	(Human	Res	Mgmt)

#### Minor in Multimedia (BSBA degree candidate) Required:

MM 405	Internet Marketing	3
Comp 110	Programming I	3
Art 101	Basic Design I	3
Comm101	Intro to Human Comm	3
Choose two**:		
MM 337	Mgmt Info Systems	
MM 401	Promotional Strategy	
MM 432	Consumer Behavior	

\*\*Other courses may be substituted with permission of adviser.

Total for Minor (Multimedia)

## Minor in Quality Management (BSBA degree candidate) Required:

i ioquii ou.			
Acct 201	Prin of Accounting I	3	
MM 350	Prin of Management (WI)	3	
MM 354	Quality Management	3	
GB 405	Statistical Quality Control	3	
Choose tw	o:	6	
Acct 325	Managerial Accounting		
GB 321	Business Statistics I		
GB 322	Business Statistics II		
MM 352	Human Resource Mgmt		
MM 431	Operations Management		
Acct 310	Cost Accounting		

Total for Minor (QM)

## Accounting

Matthews Hall 309D, 417.625.9607

**Faculty** Comstock, Huffman, Roark, Shaver, D. Smith, J. Smith

The B.S.B.A. accounting major course of study is designed to prepare the student to enter any area of the accounting profession, to successfully complete the Certified Public Accountant or other professional certification examination and to enter graduate school.

Prospective accounting majors should take note of the requirements for entry into the profession. The State of Missouri requires 150 hours of college credit, including an undergraduate degree, before a candidate will be allowed to sit for the Certified Public

## Accounting / 141

Accountant examination. Arkansas, Oklahoma and Kansas, along with more than 40 other states, have similar requirements. The American Institute of Certified Public Accountants requires new members to have 150 semester hours of college credit in order to join. Accounting majors desiring to meet this requirement should note the "150-hour" recommendations at the end of the B.S.B.A. suggested order of study or plan to attend graduate school (see your adviser).

The A.S. accounting program of study is designed to prepare the student for book-keeping tasks, which are a part of the accounting function. Graduates of this program usually serve in entry-level positions in accounting firms or private businesses.

A minor in accounting for both BSBA and non-BSBA degree candidates is also offered.

## Associate of Science with a Concentration in Accounting

Semester Hours Core Requirements (p. 34) 25-26 **Accounting Concentration** 36 Acct 201 Prin of Accounting I 3 Acct 202 Prin of Accounting II 3 Acct 312 Intermediate 3 Accounting I Acct 322 Intermediate 3 Accounting II Acct 375 Tax Accounting I 3 GB 301 Legal Environment of Business I 3 GB 320 Business Communications (WI) 3 Econ 201 Prin of Economics-Macro 3 Econ 202 Prin of Economics-Micro 3 3 MM 237 Using Info Systems MM 350 Prin of Management (WI) 3 3 Elective selected from: Acct 325 Managerial Accounting GB 302 Legal Environment of Business II GB 321 Business Statistics I **Business Elective** 3

Total

#### Bachelor of Science in Business Administration with an Emphasis in Accounting

Semester Hours Core Requirements (p. 33) Business Core (p. 139) 39 24 **Accounting Major** Acct 310 Cost Accounting 3 Acct 312 Intermediate Accounting I 3 Acct 322 Intermediate Accounting II 3 Acct 332 Intermediate Accounting III 3 Acct 375 Tax Accounting I Acct 402 Advanced Accounting 3 Acct 411 Auditing 3 Upper-level Accounting Elective 3 (must be chosen with adviser approval) Internships, independent studies and VITA will not fulfill this requirement. **Electives** 10 Total 124

The following courses are recommended as electives for accounting majors. Many schools require these classes before a student may be admitted to graduate study.

GB 322	Business Statistics II	3
Math 302	Calculus for Mgmt &	
	Social Sciences	3
MM 431	Operations Management	3

#### Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0502 Accounting Emphasis

Freshman Year

64-65

1st Semester Course Hours CORE [Eng 101 Comp I] 3 CORE [Math 131 Finite Math] CORE [PSc 120 Gov't:U.S./Sta/Loc] 3 CORE [Bio 101 General Biology] CORE [Kine 103 Lifetime Wellness] 2 College Orientation Psy 120

16

2nd Semes	ter	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

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Acct
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# 2nd Semester Acct 402 Advanced Accounting 3 Upper-level Accounting Elective (Must be selected with adviser approval. Internships, independent studies and VITA will not fulfill this requirement.) MM 452 Strategic Management (WI) 3 Electives 6

18

15

#### 150-Hour Recommendations

Accounting courses that are helpful in passing the CPA examination include Tax Accounting II, Accounting Information Systems, Governmental and Nonprofit Accounting, Advanced Cost Accounting, and Advanced Auditing. Note that while the B.S.B.A. requires 24 hours of upper-

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level accounting courses to graduate, Missouri law requires 27 upper-level hours to sit for the CPA examination.

Beyond additional accounting courses, the student may find it helpful to concentrate any remaining hours in a single area such as finance, computer science, communications, a foreign language, total quality management or similar pursuits.

#### Associate of Science Major Code 5002 **Accounting Concentration**

#### Freshman Year

1st Semester		
Acct 201	Prin of Accounting I	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 or Hist 120]	3
CORE	[Math 30 or higher]	3
CORE	[Kine 103 Lifetime Wellness	] 2
Business Ele	ctive	3
		17

2nd Semest	er	
Acct 202	Prin of Accounting II	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Art 110, Mus 110, Th 110,	
	Literature or Phil 201]	3
GB 320	Business Comm (WI)	3
CORE	[Kine 101 Physical Activity]	1
	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	16

#### Sophomore Year

1st Semester	
Acct 312 Intermediate Accounting I	3
Acct 375 Tax Accounting I	3
MM 237 Using Information Systems	3
CORE [Bio 101 or Phys 100]	4-5
CORE [Econ 201 Econ-Macro]	3
16	-17

#### 2nd Semester

Acct 322	Intermediate Acct II	3
GB 301	Legal Environment of Bus I	3
Econ 202	Prin of Econ-Micro	3
MM 350	Prin of Management (WI)	3
Business Ele	ective (Acct 325, GB 302,	
	GB 321)	3
Missouri Cor	nstitution Requirement	
	See pg. 35	3
		18

For additional information contact:

Dr. James Shaver

Office: Matthews Hall 309D Phone: 417.625.9607

E-mail: shaver-j@mail.mssc.edu

## **Course Descriptions**

Acct 201 (F, S)

3 hrs. cr.

Principles of Accounting I

An introduction to accounting as an information communication function that supports economic decision-making. The topics covered should help students to understand financial statements and their preparation, the accounting cycle, and basic accounting for current assets. Prerequisite or corequisite: Math 130 or 131.

Acct 202 (F, S)

3 hrs. cr.

Principles of Accounting II

Continued development of the understanding of accounting as a critical tool of business communication. Emphasis is on non-current assets, present value concepts, investments, stockholders' equity, and the statement of cash flows. Prerequisite: Acct 201

Acct 310 (S)

3 hrs. cr.

**Cost Accounting** 

Study of accounting cost systems providing information generation for managerial planning and control. Special emphasis is placed on Quality Management as applied to industrial and service enterprises. Prerequisites: Acct 202, MM 237, GB 321.

Acct 312 (F, S)

3 hrs. cr.

Intermediate Accounting I

First of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). The course is organized in these areas: (1) environment of financial accounting and basic theory underlying financial accounting; (2) accounting process from transaction analysis to financial statements; (3) statement analysis and revenue recognition, and (4) accounting for certain assets. Prerequisites: Acct 202, MM 237 (or co-requisite).

Acct 322 (F, S)

3 hrs. cr.

Intermediate Accounting II

Second of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). Emphasizes topics in areas of: (1) accounting for assets and liabilities and (2) shareholders' equity. Prerequisite: Acct 312.

Acct 325 (F, S)

3 hrs. cr.

**Managerial Accounting** 

Use of accounting as a tool for the process of planning, controlling and decision-making, Emphasis on where accounting data is obtained, what kind of information is needed and how it is used in the management process. This course may not be taken by the accounting major to satisfy accounting core requirements. Prerequisite: Acct 202.

Acct 332 (F, S)

Intermediate Accounting III

Third of three courses that comprehensively cover financial accounting concepts and standards for business enterprises (with emphasis on the corporation). Coverage includes (1) earnings per share, (2) investments, (3) income taxes, (4) post-retirement benefits, (5) leases, (6) cash flows, and (7) accounting changes and errors. Prerequisite: Acct 322.

Acct 375 (F)

3 hrs. cr

Tax Accounting I

Procedures for reporting federal income taxes with emphasis on income and deductions for individuals. Practice in preparing federal income tax returns. Prerequisite: Acct 202 or permission/and MM 237 (or co-requisite).

Acct 402 (F, S)

3 hrs. cr.

**Advanced Accounting** 

Application of accounting principles of business combinations, consolidated financial statements. foreign currency transactions, international accounting and the work of the International Accounting Standards Committee. Prerequisite: Acct 322.

Acct 408 (S)

3 hrs. cr.

Tax Accounting II

Procedures for reporting federal income taxes with emphasis on corporations, partnerships, estates and trusts. Practice in preparing federal income tax returns of these business entities. Prerequisite: Acct 375 or permission.

Acct 411 (F, S)

3 hrs. cr.

Auditing

Overview of the certified public accounting profession with special attention to auditing standards, professional ethics, the legal liability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, the growing use of statistical sampling, and performing an audit. Prerequisite: Acct 322.

Acct 419 (F)

3 hrs. cr

**Accounting Information Systems** 

A comprehensive study of the objectives, uses, evaluation and design of accounting information systems. The course is for students who will soon be assuming the responsibilities of professional accountants and need to know how accounting information systems function. Prerequisites: Acct 202 and MM 237 or equivalent.

Acct 421 (F)

3 hrs. cr.

Governmental and Nonprofit Accounting

Study of accounting principles, standards and procedures that apply to governmental entities. Primary emphasis is accounting for municipalities. Provides background for studying accounting systems of colleges and universities, hospitals and other nonprofit entities. Prerequisite: Acct 322.

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Acct 422 (Demand)

3 hrs. cr.

#### **Advanced Cost Accounting**

Advanced study in decision models and cost information, system choice, strategy and management control. Special emphasis on Quality Management and time related management control initiatives. Prerequisite: Acct 310.

Acct 431 (S)

3 hrs. cr.

### **Advanced Auditing**

An integration of auditing concepts from Auditing I emphasizing specific applications of auditing principles and concepts. In addition, other specialized audit reports are examined including prospective financial statements and compilation and review engagements. Examination of internal and operational audits as well as special topics in auditing. Prerequisite: Acct 411.

### Acct 491 (Demand)

1-6 hrs. cr.

### Internship in Accounting

An internship for senior accounting students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.

### Acct 498 (Demand)

1-3 hrs. cr.

#### Seminar in Accounting

For upper division accounting or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

### Acct 499 (Demand)

1-3 hrs. cr.

#### Independent Study in Accounting

Individually directed readings, research and discussion in selected areas of accounting for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisite: Permission and a minimum 3.0 GPA.

# **Business Education**

Matthews Hall 307B, 417.625.9603

Faculty Block, Rusley

### Bachelor of Science in **Education (Business Major)**

The B.S.E. business major course of study prepares graduates to teach business as either a single or dual field at the secondary level.

Business education majors must have a cumulative GPA of 2.75 in all course work and must maintain a cumulative GPA of 2.75 in their business courses.

### Bachelor of Science in **Education with Business** as a Single Teaching Field (Plan B)

Semest	ter H	ours
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	Comoton	Ouit	
Core Requirements (p. 33)			
Education courses (p. 165)			
Business N	<i>Major</i>	42	
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
GB 110	Computer Formatting	3	
GB 301	Legal Environment		
	of Business I	3	
GB 312	Prin of Business Educ	3	
GB 320	Business Comm (WI)	3	
MM 237	Using Info Systems	3	
MM 300	Prin of Marketing	3	
MM 337	Management Information		
	Systems	3	
MM 350	Prin of Management (WI)	3	
MM 405	Internet Marketing	3	
	Business elective	3	
Total		134	

Students can graduate with 128 hours if Psy 100 and Econ 201 are taken to fulfill college core requirements.

### **Bachelor of Science in Education with Business as** One of Two Teaching Fields (Plan A)

Semester Hours Core Curriculum (p. 33)

Core Garricalani (p. 66)			
Education courses (p. 165)			
Business Major			
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
GB 110	Computer Formatting	3	
GB 301	Legal Environment of		
	Business I	3	
GB 320	Business Comm (WI)	3	
MM 237	Using Info Systems	3	
MM 337	Management Information		
	Systems	3	
MM 405	Internet Marketing	3	
	Business elective	3	

### Suggested Order of Study

### **Bachelor of Science**

Major Code 9023

Plan B-Single Teaching Field **Business Education** 

#### Freshman Year 1et Samastar

131 Selliestel		
Course	l l	Hours
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Art 110, Mus 110 or Th 11	0]3
CORE	[Psy 100 Gen Psychology]	3
Educ 100	Into to Teacher Educ I	1
CORE	[Kine 103 Lifetime Wellness	s] 2
		15

#### 2nd Semester

Lina Ocimoott		
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Hist 120 or 320]	3
CORE	[Math 131 Finite Math]	3
GB 110	Computer Format (GB 105)	3
Educ 302	Exceptional Child	2
		17

#### Sanhamara Vasi

Sopnomore	rear	
1st Semester		
CORE	[Econ 201 Econ-Macro]	3
Acct 201	Prin of Acct I (Math 131)	3
CORE	[Bio 101 General Biology]	4
Educ 200	Into to Teacher Educ II	1
CORE	[Literature (Eng 261, 262,	
	271, 272, 281, 282)]	3
CORE	[Kine 101 Physical Activity]	1
Psy 310	Educational Psychology	2
		17

#### and Samester

Ziiu Seilleste	71	
Acct 202	Prin of Acct II (Acct 201)	3
Econ 202	Prin of Economics-Micro	3
MM 237	Using Info Systems	3
CORE	[Phys 100]	5
CORE	[Comm 100 or 103]	3
		17

MM 300

Educ 422

Junior Year		
1st Semester		
MM 405	Internet Marketing	3
GB 301	Legal Environment of Bus I	3
Educ 321	Microteaching, Secondary	2
Educ 329	Ped Theo, Methods & Prac	4
Educ 423	Classroom Management	2
Psy 301	Adolescent Psychology	3
		17
2nd Semeste	r	
CORE	[Humanities and Fine Arts]	3
	Business elective	3
GB 320	Bus Comm (WI) (Eng 102)	3

Prin of Marketing (Econ 202) 3

14

Content Area Literacy:

Secondary

# 144 / Business Education, Finance & Economics

Econ 401 Microeconomic Analysis 3 Econ 402 Macroeconomic Analysis 3 Total

Senior Yea			GB 322	Business Statistics II	3	SIII	ggested Order of Study
1st Semeste		2	Choose tv		6	Jul	ggesten bruer er stany
CORE GB 312	[International Cultural Stu] Prin of Business Educ	3	Econ 411	Investments			
MM 337	Management Info System	3	Econ 420	Security Analysis			of Science
MM 350	Prin of Management (WI)	3	Econ 450	Financial Strategy			ss Administration
EDUC 301	Computer Software in Educ		Econ 330	Principles of Insurance			le 0508, 0509, 0510
		15	Econ 498	Seminar in Econ		Finance a	and Economics Emphasis
			IB 430	International Corporate			
2nd Semest				Finance		Freshman	
Professiona		. 0	Electives		16	1st Semest	
Educ 336 Educ 402	Tchng Business, Secondar Foundation of Educ	y 2 2	Total		124	Course	[Eng 101 Comp 1] Hours
Educ 402 Educ 432	Critical Issues in Educ	2				CORE	[Math 131 Finite Math]
Educ 462	Student Tchng Secondary	8				OR	[Math 1013 linto Math]
Psy 412	Measurement & Evaluation			n Financial		CORE	[Math 130 College Algebra] 3
		16		ent Concentration		CORE	[PSc 120 Gov't:U.S./Sta/Loc] 3
				uirements (p. 33)	51	CORE	[Bio 101 General Biology] 4
	t Recommendations]		Business	Core (p. 139)	39	CORE	[Kine 103 Lifetime Wellness] 2
(Prerequisit	es)		Finance C		9	Psy 120	College Orientation 1
For addition	anal information contact:		GB 101	Intro Personal Fin Plann	ing		16
Dr. Beverly	nal information contact:		Econ 300	Money and Banking		2nd Semes	ter
	atthews Hall 307B		Econ 411	Investments		CORE	[Eng 102 Comp II] 3
	17.625.9603		Required		15	CORE	[Phys 100 Fund of Phys Sci] 5
	ock-b@mail.mssc.edu		Acct 325	Managerial Accounting	3	GB 101	Intro to Personal Fin Planning 3
E-mail: Di	ock-b@maii.mssc.edu		Econ 450	Financial Strategy	3	CORE	[Psy 100 or Soc 110] 3
			Choose th		9	CORE	[Kine 101 Physical Activity] 1
			Acct 312	Intermediate Acct I			15
			Acct 322	Intermediate Acct II		Sophomor	o Voor
			Acct 375	Tax Accounting I		1st Semest	
			Econ 330	Principles of Insurance		Acct 201	Prin of Accounting I 3
graphia.	The second second	and a second	Econ 401	Microeconomic Analysis		CORE	[Econ 201 Prin of Econ-Macro] 3
	inance and		Econ 402	Macroeconomic Analysis	S	MM 237	Using Info Systems 3
			Econ 420	Security Analysis		CORE	[Fine Arts (Art 110, Mus 110
1863	<b>Economics</b>		MM 431	Operations Managemen	t		or Th 110)] 3
Relativistic .		5 (S. S.	IB 430	International Corporate		CORE	[Hist 110 American History] 3
		-		Finance			15
Matthews	Hall 310G, 417.625.9716		Electives		10	2nd Semes	ster
			Total		124	Acct 202	Prin of Accounting II 3
Faculty	Abrahams, La Near, Nic	hols,				Econ 202	Prin of Econ-Micro 3
Rawlins, J	. Smith		01			CORE	[Literature (Eng 261, 262,
			Chartered			00	271, 272, 281 or 282)] 3
	<ul> <li>A. finance and economics</li> </ul>			oncentration		CORE	[Hist 120 American History] 3
	tudy is designed to prepare			uirements (p. 33)	51	CORE	[Comm 100 Oral Comm] 3
	nanagerial positions in fir			Core (p. 139)	39		15
	s, corporate research, for		Finance C		9	Junior Yea	ır
	nment and other public a		GB 101	Intro Personal Fin Plann	ing	1st Semest	
vate secto	r positions, as well as for	gradu-	Econ 300	Money and Banking		Econ 300	Money and Banking 3
ate study.			Econ 411	Investments		GB 321	Business Statistics I 3
			Required		15	GB 301	Legal Environment of Bus I 3
Dankal	4 O - 1 1 - B		Acct 312	Intermediate Acct I	3	MM 300	Prin of Marketing 3
	r of Science in Busi		Econ 420	Security Analysis	3	MM 350	Prin of Management (WI) 3
Adminis	tration with an Empl	nasis	Econ 450	Financial Strategy	3		15
in Finan	ce and Economics		Choose tv		6	2nd Semes	ster
			Econ 401	Microeconomic Analysis		GB 320	Business Comm (WI) 3
	Semester	Hours	Econ 402	Macroeconomic Analysis	S	Econ 350	Financial Management 3
Economic	s Concentration		GB 322	Business Statistics II		Econ 402	Macroeconomic Analysis
Core Req	uirements (p. 33)	51	MM 431	Operations Managemen	t	OR	
	Core (p. 139)	39	IB 430	International Corporate		Acct 325	Managerial Accounting
Economic		18		Finance		OR Appt 212	Intermediate Association I
Econ 300	Money and Banking	3	Electives		10	Acct 312	Intermediate Accounting I 3
	_		Latel		404		

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### Finance & Economics / 145

Advanced Business Elective (must be selected in consultation with faculty adviser from courses numbered 300 or above within the School of Business Administration) 3 Electives 15 Senior Year 1st Semester Econ 401 Microeconomic Analysis OR Advanced Finance/Economics Elective (must be selected in consultation with faculty adviser from courses numbered 300 3 or above) Econ 411 Investments 3 Advanced Elective in Econ (selected in consultation with faculty adviser from courses numbered 300 or above) CORE [International Cultural Stu] 3 (IB 310 strongly recommended) CORE [Hum & Fine Arts Elective] (See Core Requirements, p. 33) Elective 2 17 2nd Semester Econ 402 Macroeconomic Analysis OR Econ 450 Financial Strategy 3 Econ 420 Security Analysis OR GB 322 **Business Statistics II** 3 Advanced Electives in Econ (selected in consultation with faculty

For additional information contact:

adviser from courses num-

Strategic Management (WI)

3

16

bered 300 or above)

Dr. Richard Rawlins

MM452

Office: Matthews Hall 310G Phone: 417.625.9716

E-mail: rawlins-r@mail.mssc.edu

### Course Descriptions

Econ 180 (F, S) 3 hrs. cr. **The American Economic System** 

A core course on the goals, organization and operation of the U.S. f\*?nomy. Topics include: scarcity and choice; the role of profits, saving, investment, and competition as a pricing mechanism in the allocation of resources; the economic functions of government inÜ<

and monetary policy tools used for macroeconomic stabilization; limitations of the market system; other types of economic systems; and the rationale for international trade and the effects of trade barriers. Not for business majors or for those who have taken Econ 201.

Econ 201 (F, S) 3 hrs. cr. **Principles of Economics (Macro)** 

A basic course that explains the organization, operation and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination and stabilization of national income; unemployment and inflation; the role of money and monetary policy; and current economic problems. Prerequisites: Math 130 or above.

Econ 202 (F, S) 3 hrs. cr. Principles of Economics (Micro)

A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm, or industry; cost and revenue implications of various product and factor market structures; and international trade and finance. Prerequisites: Math 130 or above and Econ 201.

Econ 300 (F, S) 3 hrs. cr. Money and Banking

The nature, need, functions, role, creation and destruction of money and credit; financial institutions and their functions with special emphasis on the commercial banking system and the Federal Reserve system; introduction to monetary theory and policy; international aspects of money and monetary policy. Prerequisites: Econ 201.

Econ 330 (F) 3 hrs. cr. **Principles of Insurance** 

Survey of the fundamentals o}¿insurance including risk management, interpretation of policies, property insurance, liability insurance, health insurance and life insurance. Prerequisite: Econ 201 and 202.

Econ 350 (F, S) 3 hrs. cr. Financial Management

Study of the financial operating environment and financial analyses; risk and valuation, time value of money, capital budgeting, cost of capital and leverage, working capital management and dividend policy. Prerequisites: Econ 201 and 202, Acct 202, GB 321.

Econ 401 (F) 3 hrs. cr. **Microeconomic Analysis** 

The price system and resource allocation through a system of markets and prices; price and output determination in perfect and imperfect markets; resource markets and income determination. Prerequisites: Econ 201 and 202.

Econ 402 (S) 3 hrs. cr. Macroeconomic Analysis

National income determination with various macroeconomic models; fiscal and monetary policy;

international linkages; consumption and investment; trade-offs between inflation and unemployment. Prerequisite: Econ 300.

Econ 411 (F) 3 hrs. cr. Investments

Principles underlying investment analysis and policy; salient characteristics of governmental and corporate securities; policies of companies and investing institutions; relations of investment policy to money markets and business fluctuations; security price-making forces. Prerequisite: Econ 350.

Econ 420 (S) 3 hrs. cr. Security Analysis

A broad introduction to basic stock selection using "fundamental" analysis whereby "over" and "under" valued stocks are to be identified. The class will construct a common stock portfolio of 10 to 25 stocks. Other topics covered will include: basic schools of investment thought (EMH, fundamental, and technical) diversification, quality of earnings, and factors affecting equity ownership. Prerequisites: Econ 350 or permission.

Econ 450 (S) 3 hrs. cr. Financial Strategy

Financial planning, asset valuation, cost of capital, capital budgeting under capital constraints and risk, cash flow analysis, capital structure policy, dividend policy, leasing, mergers and acquisitions, LBOs, and international finance using a case study approach. Prerequisite: Econ 350.

Econ 491 (F, S) 1-12 hrs. cr. Internship in Finance and Economics

An internship for senior Finance/Economics students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

Econ 498 (Demand) 1-3 hrs.

Special Topics in Economics

For upper-division students. Topics to be announced each time the course is offered. Examples of seminars offered in the past are: 498-Seminar in International Economics, 498-Seminar in Business Cycles, and 498-Seminar in Public Finance.

Econ 499 (Demand) 1-3 hrs. cr.

### Independent Study in Finance/Economics

Individually directed readings, research and discussion in selected areas of Finance/Economics for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA.

# Entrepreneurship

Faculty Bradshaw, Krudwig, Robinson

A concentration in entrepreneurship is offered for all students, regardless of major, to enhance success of small business startups. This concentration prepares the students to start their own businesses. A Certificate of Entrepreneurship will be issued to students who successfully complete the fifteen entrepreneurship courses.

# Requirements for a Concentration in Entrepreneurship:

	Semester	Hours
Ent 201	Developing a	
	Business Plan	1
Ent 202	<b>Business Opportunities</b>	1
Ent 203	Legal Aspects for	
	Entrepreneurs	1
Ent 204	Initial Capitalization	1
Ent 205	Cash Flow Analysis	1
Ent 206	Microcomputer	
	Applications	1
Ent 207	Accounting Procedures	1
Ent 208	Accounting Records	1
Ent 209	Accounting Taxation	1
Ent 210	The Management Proces	SS
	for Entrepreneurs	1
Ent 211	Strategic Planning &	
	Organizing	1
Ent 212	Human Resource Issues	S
	For Entrepreneurs	1
Ent 213	Promotion	1
Ent 214	Pricing	1
Ent 215	Merchandise/Inventory	
	Planning	1
		15

For additional information contact:

Karen Bradshaw

Office: Matthews Hall 107B Phone: 417.625.9520

E-mail: bradshaw-k@mail.mssc.edu

### **Course Descriptions**

ENT 201 (F)

Developing a Business Plan

This course focuses on the proper techniques to use in preparing and presenting a business plan, which will provide the necessary goals and directions for creating, managing and gaining profit from a business.

ENT 202 (F)

Business Opportunities

A course concentrating on analyzing the feasibility of starting or expanding a business venture. Topics include developing strategies for various types of existing business ventures and new startups, product positioning, the purchase of existing businesses, franchising, and determining and creating a competitive advantage for products and services.

ENT 203 (F) 1 hr. cr. **Legal Aspects for Entrepreneurs** 

This course will cover the formation, advantages and disadvantages of corporations, partnerships, LLCs, and sole proprietorships as different forms of legal ownership for new businesses. Topics include business licenses, business insurance, government regulations, government support systems, liability, and ethical issues.

ENT 204 (S) 1 hr. cr. Initial Capitalization

A course to help prepare the entrepreneur for presenting their "initial capital" needs to the appropriate audience in obtaining financing for their new business.

ENT 205 (S) 1 hr. cr. Cash Flow Analysis

A course for preparing analysis on a new or existing business in the areas of business operating cycle, quality indicators, financial ratios, permanent working capital, and cash flow analysis.

ENT 206 (S) 1 hr. cr.

Microcomputer Applications

A course to prepare the entrepreneur for applying computerized accounting technology to a small business situation. QuickBooks for Windows will be used for the course.

ENT 207 (F) 1 hr. cr.

Accounting Procedures

A course to teach entrepreneurs accounting concepts so they will have background knowledge of the how and why of financial statement preparation as related to managing small businesses.

ENT 208 (F) 1 hr. cr. Accounting Records

A course to acquaint entrepreneurs with the various accounting and financial records needed to successfully operate a small business.

ENT 209 (F)

1 hr. cr.

1 hr. cr.

1 hr. cr.

1 hr. cr.

**Accounting Taxation** 

A course to acquaint entrepreneurs with the tax consequences of the different forms of business organization and the documents necessary to get a business "legal" with authorities for "tax" purposes.

ENT 210 (S)

The Management Process for Entrepreneurs

A course to acquaint the entrepreneur with basic theories and principles of management as they relate to an entrepreneurial and newly formed business. Using E-commerce in traditional companies will be evaluated. Small business survival by gaining the competitive edge will be stressed.

ENT 211 (S) 1 hr. cr Strategic Planning & Organizing

A course to help small business people develop and implement management strategies for efficiency, and to learn and practice the important functions of planning and organizing a small business. Topics include the balanced scorecard concept, analytical tools, methods of managing entrepreneurial firms, and the formation of strategy for E-commerce trends and the application of this strategy.

ENT 212 (S) 1 hr. cr.

Human Resource Issues
for Entrepreneurs

This course is designed to help the students and owners of small businesses improve their human relations skills needed in running a business. The discovering of one's management style and the development of new management skills will be covered.

ENT 213 (S) . 1 hr. cr. Promotion

This course will introduce the entrepreneur to the complexities of advertising for smaller businesses. The entrepreneur will learn to develop the marketing goals of a business and select a marketing mix to communicate those ideas to the market-place. Utilizing the Internet in promotional strategies will be covered.

ENT 214 (S) 1 hr. cr. Pricing

This course will concentrate on the pricing of products for a small business for profit, and the development of pricing strategies and sales promotion techniques, that will allow businesses to attract customers for the buying process. The emphasis will be on pricing strategies for goods and/or services.

ENT 215 (S) 1 hr. cr.

Merchandise/Inventory Planning

This course will acquaint the entrepreneur with various techniques of inventory/merchandise planning and controls. It also will also focus on merchandising strategies, salesmanship, location analysis, and the purchasing function.

### General Business / 147

# **General Business**

Matthews Hall 309K, 417.625.9671

**Faculty** Block, Bradshaw, Cragin, Gray, Johnson, Kleindl, Marion, Miller, Rawlins, Rusley, J. Smith, Tiede, Vernon

The B.S.B.A. general business major course of study is intended to give the broadest possible background to the graduate and to prepare the graduate for managerial positions in the public and private sectors. The A.S. degree program prepares the graduate for first line supervisory and managerial duties.

### Bachelor of Science in Business Administration with an Emphasis in General Business

	Semester H	Hours
Core Requ	uirements (p. 33)	51
<b>Business</b>	Core (p. 139)	39
General B	usiness Emphasis:	18
Acct 325	Managerial Acct	3
Econ	(selected from 300, 330,	
	401, 402, 411, GB 322,	
	INTS 304)	3
MM	(selected from 352, 354,	
	410, 411, 412, 431, 441,	
	450, GB 405)	3
MM	(selected from 312, 321,	
	401, 405, 412, 432, 470)	3
MM 337	Management Information	
	Systems	3
Advanced	Business Elective (must be	Э
	selected with adviser	
	consultation & approval)	3
Electives		16
Total		124

# Associate of Science in General Business

	Semester	Hours
Core Requ	uirements (p. 34)	25-26
General B	usiness Concentration	27
Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Econ 201	Prin of Economics-Macro	3
Econ 202	Prin of Economics-Micro	3
GB 301	Legal Environment	
	of Business I	3

MM 237	Using Info Systems	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
Business	Electives (must be selected	ed
with approv	al of faculty adviser)	12
Total		64-65

### Suggested Order of Study

### Bachelor of Science in Business Administration Major Code 0501 General Business Emphasis

Freshman	Year	
1st Semes	ster	
Course		Hours
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16
2nd Seme	ster	

2nd Semester			
CORE	[Eng 102 Comp II]	3	
CORE	[Phys 100 Fund of Phys Sci]	5	
CORE	[Comm 100 Oral Comm]	3	
CORE	[Psy 100 or Soc 110]	3	
CORE	[Kine 101 Physical Activity]	1	
		15	

Sopnomore Year		
1st Semest	er	
Acct 201	Prin of Acct I	3
CORE	[Econ 201 Economics-Micro]	3
MM 237	Using Info Systems	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110 )]	3
CORE	[Hist 110 American History]	3
		15
and Samos	tor	

Acct 202	Prin of Acct II	3
Econ 202	Economics-Micro	3
GB 321	Business Statistics I	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
		15

CORE	[HIST 120 AMERICAN HISTORY]	15
Junior Ye	ar	
1st Semes	ster	
Acct 325	Managerial Acct	3
GB 301	Legal Environment of Bus I	3
GB 320	Business Comm (WI)	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
	3 , ,	15

2nd Seme	ster	
Advanced	Elective in Finance/Econ (mu selected from Econ 300, 330	
	401,402,411, GB 322, or	0
	IntS 304)	3
Advanced	Elective in Management (mus	
	be selected from MM 352, 3	54,
	410, 412, 431, or 441)	3
Econ 350	Financial Management I	3
Advanced	Business Elective (must be	
	selected in consultation with	
	adviser from courses	
	numbered 300 or above with	iin
	the School of Business	
	Administration)	3
MM 337	Management Info Systems	3
Electives		3
		18

Senior Ye		
Advanced	Elective in Marketing (must be	)
	selected from MM 312,321,	
	401,405,412,432 or 470)	3
CORE	[Intl. Cultural Studies]	3
	(IB 310 Strongly recommend	ed)
CORE	[Humanities and Fine Arts]	
	(See Core Requirements,	
	p. 35)	3
Electives		6
		15

2nd Seme	ster	
Advanced	Business Elective (must be	
	selected in consultation with	
	faculty adviser from courses	
	numbered 300 or above with	in
	the School of Business	
	Administration)	3
MM 452	Strategic Management (WI)	3
Electives		9
		15

# Associate of Science Major Code 5001 General Business Concentration

Freshman	Year				
1st Semester					
Acct 201	Prin of Accounting I	3			
CORE	[Eng 101 Comp I]	3			
MM 237	Using Info Systems	3			
CORE	[Psy 100 or Soc 110]	3			
CORE	[Math (30 or above)]	3			
CORE	[Kine 103 Lifetime Wellness]	2			
		17			
2nd Semes	2nd Semester				
Acct 202	Prin of Accounting II	3			
CORE	[Econ 201 Economics-Macro]	3			
CODE	TI II - 4 4 4 0 1 II - 4 4 0 0 1	0			

2nd Semes	ster	
Acct 202	Prin of Accounting II	3
CORE	[Econ 201 Economics-Macro]	3
CORE	[Hist 110 or Hist 120]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Art 110, Mus 110, Th 110,	
	Literature or Phil 201)]	3
CORE	[Kine 101 Physical Activity]	1
		16

### 148 / General Business

### Sophomore Year 1st Semester Business Electives (must be selected

with adviser approval) GB 301 Legal Environment of Bus I 3 3 Econ 202 Prin of Economics-Micro Prin of Management (WI) 3 MM 350

CORE

2nd Semester GB 302 Legal Environment of Bus II 3 Prin of Marketing MM 300 CORE [Missouri Constitution 3 Requirement - see pg. 37] Business Electives (must be selected 3 with adviser approval)

[Bio 101 or Phys 100] 16-17

[Department Recommendations]

For additional information contact:

Dr. Alex Vernon

Office: Matthews Hall 309K

Phone: 417.625.9671

E-mail: vernon-a@mail.mssc.edu

# **Course Descriptions**

GB 101 (F, S)

3 hrs. cr.

Introduction to Personal **Financial Planning** 

Introduction to the concepts and tools necessary for effective management of personal financial health. Includes goal-setting, investment decisions, obtaining and using credit, insurance, and retirement planning. Also provides exposure to various business careers and to comparable decisions that business owners and managers make.

GB 105 (F)

3 hrs. cr.

Computer Keyboarding

Learn or review the proper techniques for alphabet and number keys. Letter styles, proper report formats, simple tabulations, and employment communications are taught using basic Word 7.0 commands. Speed and accuracy in editing are stressed so the student will acquire a personally useful skill.

GB 110 (F. S)

3 hrs. cr.

**Computer Formatting** 

Covers all styles of business letters, reports, memos, and tables. Some of the advanced Word 7.0 commands used are: headers and footers, find and replace, report styles, advanced table features, templates, labels, mail merge, and sort. Prerequisite: GB 105 or a good knowledge of the keyboard and familiarity with word processing.

GB 112 (F, S)

15

4-5

3 hrs. cr.

**Computer Document Production** 

Production of all types of letters, reports, business forms, legal forms, tables, and desktop publishing using Word 7.0. Realistic, integrated office projects are used. Prerequisite: GB 110 or equivalent.

GB 301 (F, S) 3 hrs. cr. Legal Environment of Business I

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes the court systems and procedures, contracts, personal property and bailments, sales and commercial paper. Special emphasis on Missouri case-law and statutes. Lectures supported by actual case decisions and case digests.

GB 302 (F, S) 3 hrs. cr. Legal Environment of Business II

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Brief overview of criminal law and tort law, government control and regulation, secured transactions, insurance, bankruptcy, agency and employment, partnerships, corporations, real property and estates. Prerequisite: Junior standing.

3 hrs. cr. GB 312 (F) **Principles of Business Education** 

Fundamentals of business education including curriculum, trends, equipment, materials, professional organizations and vocational programs. For business education majors only. (To be taken in fall prior to student teaching.)

GB 320 (F, S)

3 hrs. cr.

**Business** 

Communication (Writing Intensive) Principles of writing effective letters, memos and reports to solve real-world situations. Emphasis on contemporary issues and the employment process. Prerequisites: 6 hrs. English Comp or

permission of instructor.

GB 321 (F, S) 3 hrs. cr. **Business Statistics I** 

Methods of collection, analysis, interpretation and presentation of data related to business. Topics include frequency distribution, measures of central tendency and dispersion, regression and correlation analysis, probability concepts, sampling distributions, estimation procedures and hypothesis testing. Computer statistical packages will be utilized in analysis and application of problems. Prerequisite: Math 130, 131 or higher, MM 237.

GB 322 (S)

3 hrs. cr.

**Business Statistics II** 

Methods of statistical analysis relating to business decision-making and research in business and economics. Emphasizes sampling theory, parametric tests of hypotheses, analysis of variance, multiple regression, non-parametric tests of hypotheses, and other selected statistical techniques. Computer statistical packages (and spreadsheet packages) will be utilized in analysis of problems. Prerequisite: GB 321.

GB 361 (F, S)

1 hr. cr.

Personal Development

Identifying interests and abilities in relation to prospective jobs and establishing short-term and long-term career goals. Developing job search skills. Demonstrating dining etiquette and increasing time management and assertiveness skills. Prerequisites: 6 hrs. English Composition or permission of instructor.

GB 362 (F, S)

1 hr. cr.

**Career Development** 

Increasing verbal and nonverbal job related communication and presentation skills. Exploring business etiquette and dress in order to adjust to the corporate environment and the professional image. Discussing career related ethics. Prerequisites: 6 hrs. English Composition or permission of instructor.

GB 363 (F,S)

1 hr. cr.

Interpersonal Development

Learning to work with others; exploring techniques of negotiation; determining how to resolve conflict. Developing teaching/training and leadership skills. Learning to conduct and participate in meetings. Understanding how to serve customers/clients and developing sensitivity to other cultures. Prerequisites: 6 hrs. English Composition or permission of instructor.

GB 405 (Demand)

3 hrs. cr.

**Statistical Quality Control** 

Theory and methods used in statistical quality control. Emphasizes basic statistical analysis, variables control charts, attributes control charts, interpretation of control charts, estimation of process parameters, gage capability, acceptance sampling, and service quality. Students will be encouraged to use spreadsheets to solve SPC problems. Prerequisites: GB 321 or consent of instructor.

GB 491 (F, S) 1-12 hrs. cr. Internship in General Business

An internship for senior General Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.

GB 498 (Demand)

1-3 hrs. cr.

Special Topics in General Business

Special topics in General Business. For upperdivision students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Seminar topics offered in the past include office machines, career orientation and human relations.

### International Business / 149

GB 499 (Demand) 1-3 hrs. cr. Independent Study in General Business Individually directed readings, research and discussions in selected areas of general business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA.

# **International**

Matthews Hall 309L, 417.625.9507

Faculty Bradberry, Lewis, Marion, Shaver

The B.S.B.A. International Business major course of study is designed to prepare the graduate for employment with multinational companies. Potential employers may be large or medium/small-sized companies in the Joplin region, in Missouri, or in the U.S.

Bachelor of Science in **Business Administration** with an Emphasis in International Business

		Semester I	Hours
,	Core Re	equirements (p. 33)	51
	Busines	s Core (p. 139)	39
	Internati	ional Business Emphasis:	34
	IB	(select three from 400,	
		410, 420, 430)	9
	IntS	(select one from 303,	
		304, 305)	3
	Compete	ency in Foreign Language	3
	Internation	onal Internship or	
	Internation	onal Business Field Study	3
١	Elective	s	16
	Total		124

\*IB 310 included in Core Requirements.

### Suggested Order of Study

**Bachelor of Science** In Business Administration Major Code 0503 International Business Emphasis

resiman rear					
1st Semester					
	Hours				
[Eng 101 Comp I]	3				
[Math 131 Finite Math]	3				
[PSc 120 Gov't: US/Sta/Loc]	3				
[Kine 103 Lifetime Wellness]	2				
College Orientation	1				
Using Info Systems	3				
	15				
2nd Semester					
[Eng 102 Comp II]	3				
[Fine Arts (Art 110, Mus 110					
	[Eng 101 Comp I] [Math 131 Finite Math] [PSc 120 Gov't: US/Sta/Loc] [Kine 103 Lifetime Wellness] College Orientation Using Info Systems  ester [Eng 102 Comp II]				

[Comm 100 Oral Comm]

[Econ 201 Econ-Macro]

[Kine 101 Physical Activity]

[Psy 100 or Soc 110]

3

3

3

1

3

16

### Sophomore Year

CORE

CORE

CORE

CORE

or Th 110]

Freshman Vear

1st Semester		
Acct 201	Prin of Acct I	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Econ 202 Econ-Micro]	3
CORE	[Hist 110 American History]	3
CORE	[Fine Arts & Humanities	
	Elective]	3
		17

2nd Seme	ester	
Acct 202	Prin of Acct II	3
CORE	[Bio 101 General Biology]	4
CORE	[Literature (Eng 261,262,	
	271,272,281 or 282	3
CORE	[Hist 120 U.S. 1877-Pres]	3
Elective		3
		16
Junior Y	ear	
1st Seme	ster	
IB 310	International Business	3

1st Semester				
IB 310	International Business	3		
GB 301	Legal Environment of Bus I	3		
GB 321	Business Statistics I	3		
MM 350	Prin of Management (WI)	3		
MM 300	Prin of Marketing	3		
Foreign Language		3		
		18		

2nd Semester			
GB 320	Business Comm (WI)	3	
Econ 350	Financial Management	3	
IB 400	International Marketing*	3	
Foreign Language			
Elective		3	
		15	

Senior Year			
1st Semes	ter		
IB 430	nternational Corporate Fin*	3	
IntS 304	Comparative Political Econ	3	
Foreign La	inguage	3	
IB 420 I	nternational Accounting	3	
	_	12	
2 <sup>nd</sup> Semest	ter		
IB 410 I	nternational Management*	3	
	Strategic Management	3	
Foreign La		3	
Foreign La	nguage for Business	3	
	esis or Internship	3	
	·	15	
* OR IB 4	20 International Accounting		
	3		
For additi	onal information contact:		
Mr. Terry			
,	atthews Hall 309L		
	17.625.9507		
E-mail: m	narion-t@mail.mssc.edu		

### **Course Descriptions**

### IB 310 (F, S) 3 hrs. cr.

International Business Introduction to the intricacies and complexities of

international trade and business. The course provides an overview of the international organizations and the effects of the foreign environment on international business. The course will focus on cultural differences; theories of international trade and economic development; international finance; marketing internationally and practical applications of starting and maintaining international business relationships. Prerequisites: Econ 180 or Econ 201.

IB 400 (S) 3 hrs. cr.

International Marketing

This course provides students with an understanding of the principles and practices of international marketing by studies of the international marketing environment, international marketing strategies, international marketing management and international marketing organization for international companies. Prerequisites: IB 310 and MM 300.

#### IB 410 (S) 3 hrs. cr. International Management

This course will focus on the development of management skills related to international business. The students will study the international business environment, international business strategy, international organizational structure and international management. Management issues for small and large international companies will be examined in the areas of management of activities, building of capabilities, management across boundaries, coordination and control, and human resource management. Prerequisites: IB 310 and MM 350.

### 150 / International Business, Management

IB 420 (Summer)

### International Accounting

This course examines aspects of accounting operations within a multinational corporate environment. Key topics include:

- 1. International financial reporting and standard setting with regard to different needs in different countries, with harmonization efforts within IASC and the EU.
- International financial statement analysis and accounting for foreign operations.
- Accounting standards and practices in selected countries. Prerequisites: Acct 201 and 202.

3 hrs. cr.

### **International Corporate Finance**

This course focuses on the environment in which the international financial manager operates. Students study the risks of doing business overseas and the tools available to minimize those risks. Foreign exchange risk, political risk, foreign investments and international financing, working capital management, accounting and control are examined within this context. Prerequisites: IB 310 and Econ 350.

#### 1-12 hrs. cr. IB 491 (Demand) Internship in International Business

An internship for senior International Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.

IB 498 (Demand)

1-3 hrs. cr.

### Special Topics in International Business Special topics in international business. For

upper-division students. Topics to be announced each time the course is offered.

IB 499 (Demand)

1-3 hrs. cr.

### Independent Study in International Business

Individually directed readings, research and discussion in selected areas of International Business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA.

# **Management**

Matthews Hall 309N, 417.625.9518

Faculty Block, Bradberry, Bradshaw, Cragin, Marion, Rusley, Stevens, Vernon

The B.S.B.A. management major course of study is designed to prepare the graduate for entry level positions of responsibility in the for-profit, nonprofit, and public sectors.

### Bachelor of Science in **Business Administration** with an Emphasis in Management

Semester Hours 51 Core Requirements (p. 33)

39 Business Core (p. 139) **Management Emphasis** 18 Acct 325 Managerial Acct 3 Management Information MM 337

Systems MM 352 Human Resource Mgmt 3 MM 431 **Operations Mgmt** Organizational Behavior 3 MM 441

Select One: (MM 354, MM 410, MM 411, MM 412, GB 405)

**Electives** 16 Total 124

### Suggested Order of Study

### **Bachelor of Science** in Business Administration Major Code 0507 **Management Emphasis**

### Freshman Year

1st Semester

Course Hours CORE [Eng 101 Comp I] 3 CORE [Math 131 Finite Math] 3 [PSc 120 Gov't: U.S./Sta/Loc] CORE 3 CORE [Bio 101 General Biology] CORE [Kine 103 Lifetime Wellness] 2 College Orientation Psy 120 16

2nd Semester

[Eng 102 Comp II] -CORE CORE [Phys 100 Fund of Phys Sci] 5 3 CORE [Comm 100 Oral Comm] 3 CORE [Psy 100 or Soc 110] [Kine 101 Physical Activity] CORE 1 15

### Sophomore Year

1St Semester			
Acct 201	Prin of Acct I	3	
CORE	[Econ 201 Econ-Macro]	3	
MM 237	Using Info Systems	3	
CORE	[Fine Arts (Art 110, Mus 110		
	or Th 110)]	3	
CORE	[Hist 110 American History]	3	
		15	

#### 2nd Semester

Acct 202	Prin of Acct II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 U.S. 1877 - Pres]	3
Elective		3
		15

#### Junior Year

ourner rec		
1st Semest	er	
Acct 325	Managerial Accounting	.2
GB 301	Legal Environment of Bus I	3
GB 320	Business Comm (WI)	. 3
MM 350	Prin of Management (WI)	3
MM 337	Mgmt Information Systems	3
		15

### 2nd Semester

3

Zilu Seilles	3(0)
GB 321	Business Statistics I
Econ 350	Financial Management
MM 300	Prin of Marketing
MM 352	Human Resource Mgmt
Advanced	Business Elective (must be
	selected in consultation with
	adviser from courses
	numbered 300 or above
	within the School of Business
	Administration)

3

3

3

3

3

### Senior Year

Elective

1st Semes	ter	
MM 431	Operations Management	3
MM 441	Organizational Behavior	3
CORE	[International Cultural Studies]	
	(IB 310 Strongly recommended)	3
CORE	[Humanities & Fine Arts Elective	ve
	(See Core requirements, p. 33)	3
Electives	<i>4</i>	3
		15

#### 2nd Semester

- III - O O III O	0.0.	
Advanced	Elective (MM 354, 410, 411,	
	412, or GB 405)	3
MM 452	Strategic Management (WI)	3
Electives		9

[Department Recommendations]

### Marketing, Management Technology / 151

For additional information contact:

Dr. Bill Stevens

Office: Matthews Hall 309N

Phone: 417.625.9518

E-mail: stevens-w@mail.mssc.edu

# **Marketing**

Matthews Hall 309H, 417.625.9702

Faculty Blades, Cragin, Hochhalter, Johnson, Kleindl, Miller

The B.S.B.A. marketing major course of study is intended to prepare graduates for positions in retailing, sales management, promotion, research and general administration.

### **Bachelor of Science** in Business Administration with an Emphasis in Marketing

			Semester r	JOL	115
	Cor	e Req	uirements (p. 33)		51
	Bus	iness	Core (p. 139)		39
	Mar	keting	g Emphasis		10
1	MM	412	Marketing Management	3	
,	MM	432	Consumer Behavior	3	
	MM	470	Marketing Research	3	
	MM	490	Career Portfolio Develop.	1	
	Cho	ose T	hree [Optional Classes]		9
	MM	312	Retailing	3	
	MM	321	Salesmanship	3	

Prin. of Transportation

Promotional Strategy

	MM	405	Internet Marketing	3
	Elec	tives		15
	(Rec	omme	ended)	
	MM	410	Small Bus. Practicum	3
	MM	491	Internship	3
_	Acct	325	Managerial Accounting	3
	Tota			124

MM 340

MM 401

### Suggested Order of Study

Bachelor of Science in **Business Administration** Major Code 0505

**Marketing Emphasis** 

Freshman Year

1st Semest	ter	
Course		Hour
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	] 3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16
0 10		
2nd Semes	ter	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3

COME	[Commit 100 Oral Commit]	
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15
Sophom	ore Vear	

Sophomore Year		
1st Semest	ter	
Acct 201	Prin of Acct I	3
CORE	[Econ 201 Econ-Macro]	3
MM 237	Using Info Systems	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3
		15
2nd Semester		

15

15

2nd Semes	ster	
Acct 202	Prin of Acct II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
Elective	(must be selected in	
	consultation with adviser	
	from courses numbered 300	
	or above within the School of	
	Business Administration)	3

	Junior Ye	ear	
	1st Semes	ster	
5	GB 301	Legal Environment of Bus I	3
	GB 321	Business Statistics I	3
	MM 300	Prin of Marketing	3
	MM 350	Prin of Management (WI)	3
	Advanced	Business Elective	
		(must be selected in	
4		consultation with adviser	
		from courses numbered 300	

or above within the School of **Business Administration** 

2nd Semes GB 320 MM 312 MM 321 OR	ster Business Comm (WI) Retailing Salesmanship	3
MM 405 Econ 350 Electives	Internet Marketing Financial Management (must be selected in consultation with adviser from courses numbered 300 or above within the School of	3 3
	Business Administration)	6 <b>18</b>

Senior Ye	ar	
1st Semes	ter	
MM 401 OR	Promotional Strategy	3
MM 405	Internet Marketing	
MM 412	Marketing Management 3	3
CORE	[International Cultural Studies] (IB 310 strongly recommended) 3	3
CORE	[Humanities & Fine Arts Elective (See Core Requirements p. 33) 3	9
Electives	3	
	15	;

2nd Sen	nester	
MM 432	Consumer Behavior	3
MM 452	Strategic Management (WI)	3
MM 470	Marketing Research	3
Electives	3	6
		15

[Department Recommendations]

For additional information contact: Dr. Holland Blades

Office: Matthews Hall 309H

Phone: 417.625.9702

E-mail: blades-h@mail.mssc.edu

# Management

Matthews Hall 302, 417.625.9319

### **Bachelor of Science** in Management Technology with an Emphasis in **General Business**

The B.S. in management technology major course of study is for students who have already received an associate degree in a technical field or other technical preparation approved by the adviser and school dean and who desire to obtain the necessary

### 152 / Management Technology

business skills to become technical supervisors or first line managers. Students must apply for admission to the program in the first semester of the junior year.

### (General Business Emphasis)

Semester Hours

15

Two Year Associate Degree			
Core Curri	iculum (p. 33)	51	
Required I	Business Classes:	36	
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
MM 237	Using Info Systems	3	
GB 301	Legal Environment		
	of Business I	3	
GB 320	Business Comm (WI)	3	
GB 321	Business Statistics I	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management (WI)	3	
Econ 350	Financial Management	3	
MM 452	Strategic Mgmt (WI)	3	

# Five additional courses selected from:

Acct 325	Managerial Accounting
Acct 419	Acctng Information Systems
Econ 401	Microeconomic Analysis
GB 302	Legal Environment
	of Business II
GB 322	Business Statistics II
GB 405	Statistical Quality Control
MM 337	Management Info Systems
MM 352	Human Resource Mgmt
MM 354	Quality Management
MM 405	Internet Marketing
MM 411	Labor & Employment Law
MM 431	Operations Management
MM 441	Organizational Behavior
MM 450	Psy of Human Resource Mgmt

### Electives (Associate degree hours) 22 Total Hours 124

Students who have already received an associate's degree in a technical field may have their degree and/or courses substituted for relevant degree requirements with the approval of the Dean of the School of Business Administration.

For additional information contact:

Dean of School of Business Administration

Office: Matthews Hall 302 Phone: 417.625.9319

E-mail: gray-j@mail.mssc.edu

# Course Descriptions

MM 237 (F, S) 3 hrs. cr. **Using Information Systems** 

Principles of information systems in the business environment. Covers components of personal and business information systems, file management, and industry standard application software packages (i.e., word processing, spreadsheet, database, presentation, and internet browser). Includes hands-on use of microcomputers. Prerequisite: Basic knowledge of windows operating system, word processing, and spreadsheet software required or COMP 105 Microcomputer Use.

MM 300 (F, S) 3 hrs. cr.

**Principles of Marketing** 

Survey of major marketing methods, institutions and practices. Retailing, wholesaling, distribution channels, marketing legislation, advertising, marketing research and marketing cost are treated from the standpoint of consumers, middlemen and manufacturers. Prerequisite: Econ 202.

MM 312 (F) 3 hrs. cr. **Retailing** 

Principles of successful retail management, including managing retail operations, administration and control, location analysis, merchandising, promotion and review of the retail environment; with analytic and research methods applicable to retail problems. Prerequisite: MM 300.

MM 321 (F) 3 hrs. cr. **Salesmanship** 

Principles and methods of effective personal and industrial selling. Stresses practical aspects through actual sales presentation by the students who may be videotaped and critiqued according to basic selling principles. Prerequisite: MM 300.

MM 337 (F, S) 3 hrs. cr. Management Information Systems

Familiarizes business students with management information systems, including proper selection of software and hardware components. Prerequisite: MM 237 or CIS 115 and 120.

MM 340 (S) 3 hrs. cr. **Principles of Transportation** 

Principles of Transportation examines forms of transportation and institutional factors that influence transportation decisions; regulation, public policy, and other governmental variables are reviewed in detail. An introduction to physical distribution's interaction with transportation is explored. Prerequisite: MM 300.

MM 350 (F, S) 3 hrs. cr. **Principles of** 

Management (Writing Intensive)
A study of the planning, organizing, leading and controlling functions of management including global, social responsibility and ethical management challenges. Prerequisite: Junior standing, Eng 101/102 or equivalent.

MM 352 (F, S)

3 hrs. cr.

**Human Resource Management** 

Principles and practices of management with emphasis on the human factors, including procurement, development and maintenance of an effective work force. Prerequisite: MM 350 or consent of instructor.

MM 354 (F, S)

Quality Management

3 hrs. cr.

Quality Management (QM) is an overview of an evolving philosophy for continuous improvement of products, process and services to enhance quality while reducing costs. It is a management/ technical/cultural approach to the integration of all systems and processes of an enterprise to achieve "customer" satisfaction. Prerequisite: MM 350, GB 321 or consent of instructor.

MM 380 (Demand)

3 hrs. cr.

**Database Marketing** 

This course will address database design, implementation and the use of Database Management Systems to support Electronic Business. Emphasis will be placed on using database information in a marketing context. The topics covered include: database design and implementation, data modeling, data warehousing and data mining, on-line analytical processing and database application and management. In addition, the course will give students hands on experience with relevant software. Prerequisites: Business Statistics I (or equivalent), Marketing Research (or equivalent recommended).

MM 401 (S)
Promotional Strategy

3 hrs. cr.

Description of fundamental advertising and promotional principles and their application in mass marketing. Analysis of advertising media, the preparation of advertising and formulation of campaigns. Prerequisite: MM 300.

MM 405 (F, S) Internet Marketing 3 hrs. cr.

Addresses the new technological environment that marketers are facing by introducing strategic considerations related to technology and technology implementation. Explores the basics of marketing exchange utilizing the information highway, multimedia techniques, database marketing, and interactive telecommunications; also gives students hands on experience with relevant software. Prerequisites: MM 300, MM 237 (or equivalent).

MM 407 (Demand) 3 hrs. cr. Internet Promotion

Principles and methods of promoting a business over the Internet. Covers marketing concepts that apply to websites, and other forms of promoting over the World Wide Web. Various methods of design are covered along with "customer friendly" approaches to website usage. Includes hands-on use of microcomputers. Prerequisites: MM 300 and MM 237.

### Management Technology / 153

MM 410 (F, S)

3 hrs. cr. MM 432 (Demand)

3 hrs. cr.

**Small Business Management Practicum** 

A practical course in solving real problems in an actual business environment. Students provide counseling to small business firms through cases referred by the Small Business Development Center. Course may be repeated for a total of six hours of credit. Prerequisite: Second semester junior or senior standing in business administration.

MM 411 (Demand)

3 hrs. cr.

Labor and Employment Law

A primary emphasis on Fair Employment practices, Title VII of the Civil Rights Act and other major employer/employee legal relationship including, but not limited to, affirmative action, race, gender, age, disability, and affinity orientation discrimination. Additional topics include Fair Labor Standards Act, Immigration Reform and Control Act, worker's compensation and privacy issues. A secondary emphasis on the Labor-Management Relations Act, as amended, the bargaining unit and unfair labor practices. Prerequisite: Junior standing. Formerly GB

MM 412 (F)

3 hrs. cr.

**Marketing Management** 

Managerial aspects of marketing: problems involved in goal setting, planning and strategies as they apply to product policy, pricing objectives, promotional objectives, distribution policy and marketing intelligence. Prerequisites: MM 300 and MM 350.

MM 431 (F)

3 hrs. cr.

Operations Management

Principles and decision analysis related to the effective utilization of the factors of production and operations in manufacturing activities for both intermittent and continuous systems. The study of operations management, analytical models and methods, facilities design and the use of computer modeling for control systems for effective production operations. Prerequisite: GB 321.

Consumer Behavior

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchase of goods and services. The purchaser's psychological, economic and socio-cultural actions and reactions are stressed. Prerequisite: MM 300.

MM 441 (F, S)

3 hrs. cr.

**Organizational Behavior** 

A study of the organization, human behavior in organizational settings and the interface between them. Prerequisite: MM 350, Senior standing.

MM 450 (Demand)

3 hrs. cr.

The Psychology of Human **Resource Management** 

Traditional areas of human resource management/organizational psychology are addressed, including group interaction, communication, attitudes, interviewing, compensation and benefits and the legal environment. An interdisciplinary approach will be taken. The contents will be presented using both theory and experimental methods.

MM 452 (F, S)

3 hrs. cr. Strategic Management (Writing Intensive) A capstone course integrating business disciplines with formal analyses of the organization's macro and industry environment; mission and goals; and strategy formulation, implementation and control using the case approach method. Prerequisites: Senior standing, MM 300, MM 350, Econ 350; must be taken during the last year of college work.

MM 470 (S)

3 hrs. cr.

**Marketing Research** 

The systematic gathering, recording, analyzing and presentation of data relating to market analysis, sales analysis, consumer research, advertising research and attitude research. Prerequisites: GB 321 and six hours of marketing.

MM 490 (F, S)

Career Portfolio Development

The Career Portfolio Development course is designed to have students develop hypertext portfolios. Students must prepare themselves for lifelong careers that cross over multiple jobs and duties. Electronic portfolios are becoming prevalent in the business because they show individual skill and qualifications. This class will instruct students on how to organize their accomplishments in an electronic format. Prerequisite: Senior Status.

MM 491 (F, S)

1-12 hrs. cr.

1 hr. cr.

Internship in Marketing/Management

An internship for senior marketing/management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

MM 498 (Demand)

1-3 hrs. cr.

Special Topics in Marketing and Management

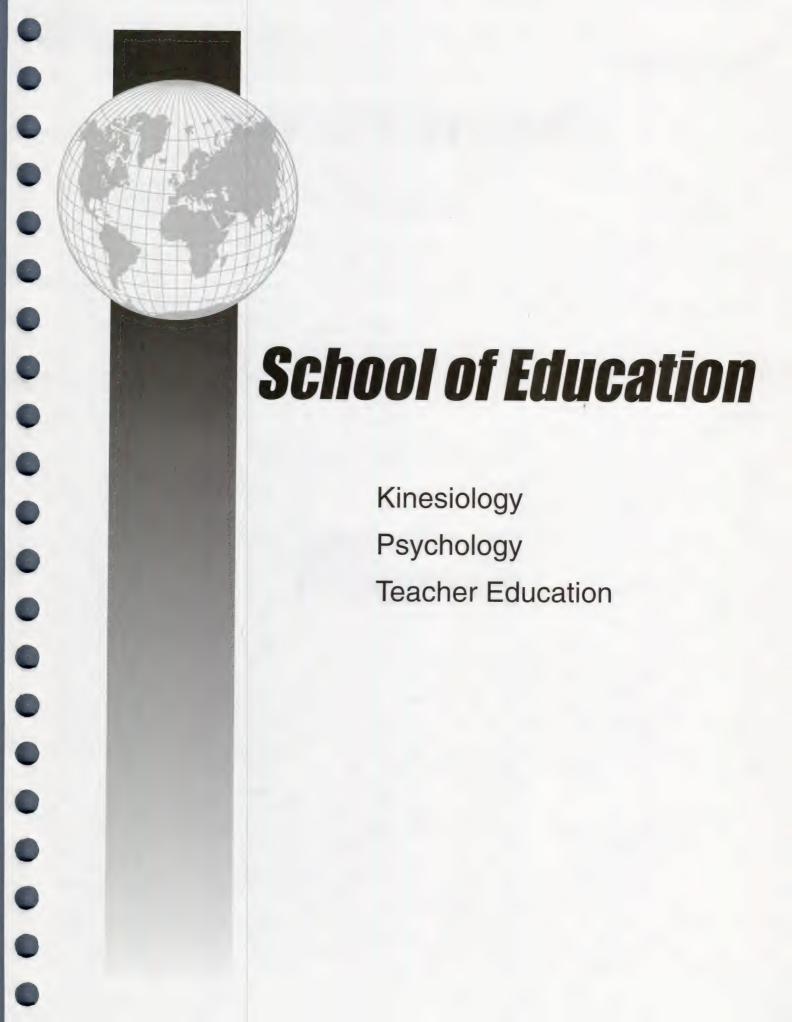
For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

MM 499 (Demand)

1-3 hrs. cr.

Independent Study in Marketing and Management

Individually directed readings, research and discussion in selected areas of Marketing/Management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA.



# **School of Education**

### School Dean

Michael John Horvath Taylor Hall 220, 625-9314

# **Degrees and Majors**Bachelor of Art

Psychology

### **Bachelor of Science**

Health Promotion and Wellness Psychology

### **Bachelor of Science in Education**

Elementary Education Middle School Education Physical Education Secondary Education

### Role

The School of Education is comprised of three departments: Kinesiology, Psychology, and Teacher Education. The combined role of these departments involves mentors and scholars dedicated to human development and to shaping communities. Additionally, the school provides support courses in physical education and psychology for the core curriculum. All departments prepare students for professional careers and/or graduate school.

The faculty serve as professional mentors for their students by demonstrating current practices that have been developed from research. The faculty also contribute to the scholarly community through research and writing within their disciplines. The goal of the school is to provide an environment where scholars can expand their knowledge and apply new skills to shape communities.

Specific goals include:

- To acquire a working knowledge and competency in the philosophical foundation of the discipline;
- To provide cognitive, affective, and psychomotor learning in communication, problem solving, and values clarification;
- To develop an understanding of how humans grow and develop. This

understanding includes the theoretical basis for development and how this relates to behavior;

- To internalize an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contribution made by various cultures;
- To integrate and apply technology relative to research and professional productivity;
- To develop awareness in the assessment of developmental and behavioral problems;
- To develop humanitarian values, professional attitudes, and ethical standards.

Kinesiology

Robert E. Young Gymnasium 212 417.625.9316

Faculty Lipira - Head, Beard, Beeler, Conklin, Cooke, Corn, Dykens, Fancher, Faubion, Green, Hobbs, Hubbard, Jimerson, Lusk, Mitts, O'Keefe, Rutledge, Smith, Traywick, Turner, Vavra,

Faculty in the department of kinesiology feel that all students at Missouri Southern State College should be trained in sound principles of fitness and wellness. It has been estimated that approximately 60% of Americans are not regularly physically active. This sedentary lifestyle may manifest itself in the form of chronic conditions including heart disease, obesity, diabetes, anxiety and depression, and certain cancers. The core course requirements (Kine 103, Lifetime Wellness and Kine 101, Introduction to Physical Activity) will assist all students in making the lifestyle changes necessary for becoming active, fit, and healthy.

The Kinesiology Department offers two degrees: the Bachelor of Science in Education degree (B.S.E.) with a major in Physical Education and the Bachelor of Science (B.S.) degree with a major in Health Promotion and Wellness. It is the policy of the department of kinesiology that majors be ambassadors of fitness and healthy life-styles. All majors should have knowledge of, and will be assessed on, cardiovascular function, muscular strength and endurance, flexibility, and body composition.

Majors in the department of kinesiology are strongly encouraged to become involved with professional clubs and organizations at the departmental, state, and national levels. The department's programs of study reflect guidelines from the American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD), the National Association for Sport and Physical Education (NASPE), Missouri Department of Elementary and Secondary Education (DESE), the American College of Sports Medicine (ACSM), the Association for Worksite Health Promotion (AWHP), the American Red Cross, and requirements from the School of Education at Missouri Southern State College. Students studying in the department of kinesiology must earn a grade of "C" or better in all required courses with a "Kine" prefix.

The department of kinesiology has established a relationship with the Sport Institute of Finland in Vierumaki, Finland. This agreement provides opportunities for students from Vierumaki to study at Missouri Southern, and conversely, students from Missouri Southern may visit and study in Finland.

### **Physical Education**

Students who desire certification as a teacher of physical education will become qualified at both the elementary and secondary level (K-12). Physical education K-12 majors should refer to page 165 where the requirements for Missouri Southern's teacher education program are listed.

### **Health Promotion and Wellness**

Graduates in this major will be prepared to promote life-style strategies to prevent illness and improve quality of life. An impor-

### Kinesiology / 157

3

3

3

Semester Hours

tant component of this course of study includes a core of courses from the School of Business. Students seeking the health promotion and wellness degree will actively participate in an internship experience in their final semester. Upon completion of the program, graduates may seek professional opportunities in a wide variety of areas including, but not limited to:

- hospital wellness programs
- physical therapy
- cardiac rehabilitation
- graduate school
- business/corporate fitness
- exercise physiology
- fitness/wellness centers
- research
- geriatric programs

Students who wish to pursue the degree in health promotion and wellness must have a cumulative GPA of 2.5 for all college course work prior to admission into Kine 495, Internship in Wellness.

### Coaching

In the state of Missouri, head and assistant coaches in all sports must be certified teachers or administrators and be contracted by the Board of Education for the full school year as a full-or part-time teacher or administrator. The school board may also hire, as an assistant coach only, an individual who possesses a valid substitute or temporary (provisional) certificate, provided the school provides evidence that the position is required to maintain existence of the program and/or an adequate safety level, the coach completes an in-service training program. and a copy of the current teaching certificate is on file at the school. All coaches must attend a Missouri State High School Activities Association (MSHSAA) rules meeting.

For the coaching requirements of another state, you will need to contact the state's governing agency.

For students with an interest in coaching, we offer the following related courses. These courses are not required and are considered electives.

)		Semester I	Hour	5
	Kine 150	Rules and Officiating	3	
	Kine 220	First Aid & Sport Safety	2	
	Bio 221	Human Anatomy &		
		Physiology II	5	
	Kine 342	Biomechanical Analysis		
		of Movement	3	
	Kine 431	Physiology of Exercise	2	
	Kine 260	Theory of Basketball	2	

Kine 261 Kine 262	Theory of Football Theory of Track & Field	2	Soc 221 OR	Marriage and Family
Kine 263	Theory of Volleyball	2	Psy 343	Human Sexuality
Kine 264 Kine 265	Theory of Baseball Theory of Soccer	2	Kine 370	School Health Education (WI)
		-	Kine 385	Nutrition for Human Development

### Athletic Training

To become a certified athletic trainer, one must pass the National Athletic Training Examination. Only persons with a degree in Athletic Training are eligible to take the exam. Missouri Southern **does not** offer a degree in Athletic Training; however, the following courses provide both classroom and hands-on experience for students who desire to pursue athletic training at the graduate school level.

	Semester	Hours
Bio 221	Human Anatomy &	
	Physiology II	5
Kine 220	First Aid & Sport Safety	2
Kine 325	Practicum in Sports	
	Medicine	2
Kine 342	Biomechanical Analysis	
	of Movement	3
Kine 385	Nutrition for Human	
	Development	3
Kine 431	Physiology of Exercise	2
Kine 432	Physiology of Exercise	
	Lab	2

### Health

The Missouri Department of Elementary and Secondary Education (DESE) identifies Health as a certification area. To teach health in the State of Missouri, one must be certified. A student desiring health certification should complete the following courses and contact DESE for certification. One must have a grade point average of 2.5 on a 4.0 scale in the subject area.

	Semester I	Hours
Kine 103 OR	Lifetime Wellness	2
Kine 113	Wellness for the Health	
	Professional	2
Kine 160	Personal and	
	Community Health	2
OR		
Soc 354	Sociology of	
	Health/Wellness	3
Kine 170	Drug Education	2
Kine 220	First Aid & Sport Safety	2
Psy 221	Personal Adjustment	3
Bio 221	Human Anatomy &	
	Physiology II	5

### Bachelor of Science in Education With a Major in Physical Education K-12

Core R	equirements (p. 33) 51** 4 al Education Requirements	48*
Bio 22		47
DIO 22	and Physiology II	_
Kine 11		5
Mile II	Health Professionals	0
Kine 11		2
Kille I I		0
Kine 13	and Assessment	2
Kille 13	- metery and meeophy	0
Vine 00	of Physical Education	2
Kine 22		
Vine OF	Safety	2
Kine 25		3
Kine 25		3
Kine 25		_
10 01	of Dance & Exercise	2
Kine 31	, , , , , , , , , , , , , , , , , , , ,	
	Elementary Physical	
1.01	Education I	3
Kine 31:	, , , , , , , , , , , , , , , , , , , ,	
	Elementary Physical	
	Education II	3
Kine 32		
	Secondary Physical	
	Education	3
Kine 33	-	
	Analysis	2
Kine 340		
	Physical Education	2
Kine 342	2 Biomechanical Analysis	3
Kine 348	Tests and Measurements	
	in Physical Education	2
Kine 365	Psychological Aspects	
	of Physical Education	2
Kine 366	Social Aspects of	
	Physical Education	2
Kine 375		
	Education	2
Kine 431	Physiology of Exercise	2
Profess	ional Certification	
Require		37
Educ 10		•
	Education I	1
Educ 20		
	Education II	1
Educ 30		,
	in the Classroom	3
	III tile Olassitutiii	0

### 158 / Kinesiology

Educ 302 Educ 321 Educ 329 Educ 338 Educ 402 Educ 422	The Exceptional Child Microteaching Pedagogical Theory, Methods and Practice Teaching Physical Educ. Foundations of Educ. Content Area Literacy:	2 2 4 2 2 2	Spring Semester Kine 252 Lifetime Activitie Kine 255 Theory/Tech of D Psy 310 Educational Psy Kine 220 First Aid & Sport CORE	Dance & Exer 2 chology 2
Educ 423 Educ 432 Educ 464 Psy 305 Psy 310 TOTAL	Secondary Classroom Management Critical Issues in Educ. Student Teaching - EL-SEC (PK-12) Child/Adolescent Dev Educational Psychology	2 2 2 8 4 2 <b>132</b>	Fall Semester Kine 310 Theory/Tech of Kine 321 Theory/Tech of Kine 332 Rhythmic Form Kine 340 Motor Learning Psy 305 Child/Adolescer CORE	Sec P.E. 3 & Analysis 2 in P.E. 2

\*The kinesiology requirements count for 5 hrs. of core.

\*\* NOTE: Students studying in the Physical Education degree program should take Bio 121, Human Anatomy and Physiology I, for the Biology Core Requirement

### Suggested Order of Study

### **Bachelor of Science in Education** Major Code 0822 Physical Education PK-12

### Freshman Year

Fall Semeste	er	
Course		Hours
Kine 113	Wellness for Health Prof	2
Eng 101	College Composition I (WI)	3
Educ 100	Intro to Education I	1
Psy 100	General Psychology	3
Psy 120	College Orientation	1
Bio 121	Human Anatomy & Phys. I	4
Comm 100	Oral Communication	3
		17

Spring Seme	ster	
Kine 114	Fitness Prog & Assessment	2
Eng 102	College Composition II(WI)	3
Phys 100	Fund of Physical Science	5
Kine 135	History & Philosophy of PE	2
CORE		6

### Sophomore Year

Fall Semeste	r		
Kine 251	Lifetime Activities I	3	
Educ 200	Intro to Teacher Education	11 1	
Bio 101	General Biology	4	
Psy 302	Exceptional Child	2	
CORE		6	

### Senior Year

Spring Semester

Kine 312

Kine 342

Kine 345

Kine 366

Educ 329

Educ 321

Educ 423

Fall Semeste	er	
Kine 365	Psych. Aspects of P.E. (WI)	2
Kine 375	Adapted Physical Educ.	2
Kine 431	Physiology of Exercise	2
Educ 301	Computer Software	3
Educ 422	Content Area Lit: Sec (WI)	2
CORE		3
		14

Theory/Tech of Elem P.E. II 3

Tests/Measurements in P.E. 2

Biomechanical Analysis

Social Aspects of P.E.

Microteaching#

Ped Theory, Meth & Prac#

Classroom Management#

Spring Seme	Stel	
Educ 338	Teaching Physical Educ. @	2
Educ 402	Foundations of Ed. (WI) @	2
Educ 432	Critical Issues in Educ. @	2
Educ 464	Student Teaching (K-12) @	8
		14

# Application for Junior Block courses one semester in advance and note criteria for admission @ Application for Professional Semester one semester in advance and note criteria for admission

### **Bachelor of Science in Health Promotion and Wellness**

Semester Hours

18

Core Requi	irements (p. 33) **	50	
Health Promotion and			
Wellness Requirements			
Bio 221	Human Anatomy &		
	Physiology II	5	
GB 320	<b>Business Communication</b>	3	
MM 300	Principles of Marketing	3	
MM 350	Principles of Management	3	
MM 352	Human Resource		
	Management	3	
MM 441	Organizational Behavior	3	
Comp 105	Introduction to		
	Microcomputer Use	3	

Psy 221	Personal Adjustment	3	
Select one	of the following:		3
Psy 343	Human Sexuality (3)		
Psy 382	Behavior Management (3)	)	
Soc 221	Marriage and Family (3)		
Soc 322	Sociology of Work		
	& Leisure (3)		
Soc 354	Sociology of Health &		
	Wellness (3)		
Kine 113	Wellness for Physical		
	Educators	2	
Kine 114	Fitness Programming		
	and Assessment	2	
Kine 220	First Aid & Sport Safety	2	
Kine 251	Lifetime Activities I	3	
Kine 252	Lifetime Activities II	3	
Kine 255	Theory and Technique of		
	Dance and Exercise	2	
Kine 292	Fitness and Weight		
	Training	2	
Kine 295	Orientation to Health		
	Promotion and Wellness	1	
Kine 305	Aging and Health	2	
Kine 340	Motor Learning	2	
Kine 342	Biomechanical Analysis	3	
Kine 345	Tests and Measurements		
	in Physical Education	2	
Kine 375	Adapted Physical		
	Education	2	
Kine 385	Nutrition for Human		
	Development	3	
Kine 395	Practicum in Wellness	2	
Kine 431	Physiology of Exercise	2	
Kine 432	Physiology of Exercise		
	Laboratory	2	
Kine 495	Internship in Wellness	6	
Electives	(WI)	3	
TOTAL		1	25

\*\* NOTE: Students in the Health Promotion and Wellness degree program take Math 140 Algebra and Trigonometry, Econ 202 Principles of Economics (Micro), and Bio 121 Anatomy and Physiology I for the Core Curriculum requirements. A minimum of 124 hours are required for graduation.

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### Suggested Order of Study

### Bachelor of Science Health Promotion and Wellness Code 6000

Freshman \	/ear	
Course		Hou
Fall Semeste	er	
Kine 113	Wellness for Health Prof.	2
Eng 101	College Composition I (WI)	3
Comm 100	Oral Communication	3
Bio 121	Human Anatomy & Phys. I	4
Psy 100 OR	General Psychology	3
Soc 110	Sociology	3
Psy 120	College Orientation	1
	-	16

Spring Seme	ester		
Kine 114	Fitness Prog & Assessment	2	
Eng 102	College Composition II (WI)	3	
Comp 105	Intro to Microcomputer Use	3	
CORE		9	
		17	

Sophomor	e Year	
Fall Semes		
Kine 220	First Aid & Sport Safety	2
Kine 251	Lifetime Activities I	3
Bio 101	General Biology	4
Econ 202	Principles of Economics	3
Psy 221	Personal Adjustment	3
	•	15
Spring Sem	nester	

Spring Seme	ester	
Kine 252	Lifetime Activities II	3
Kine 255	Theory/Tech of Dance/Exer	2
MM 300	Principles of Marketing	3
Phys 100	Fund of Physical Science	5
Kine 292	Fitness/Weight Training	2
Kine 295	Orient. to Health Prom/Wilns	1
CORE		3
		19

			19
0	Junior Year Fall Semeste	er	
	Math 140	Algebra and Trigonometry	5
	Kine 340	Motor Learning in P.E.	2
	MM 350	Princ. of Management (WI)	3
	Kine 375	Adapted Physical Educ.	2
	Kine 385	Nutrition for Human Dev	3
	CORE		3
			18

Spr	ing Seme	ester	
	e 305	Aging and Health	2
Kine	e 342	Biomechanics	3
Kine	e 345	Tests/Measurements in P.E	2
GB	320	Business Comm. (WI)	3
Kine	e 395	Practicum in Wellness	2
CO	RE and E	lective	6
			18

### Senior Year

Fall Semeste	er	
Kine 431	Physiology of Exercise	2
Kine 432	Physiology of Exercise Lab	2
MM 352	Human Resource Manage	3
Psy 343	Human Sexuality elective	3
MM 441	Organizational Behavior	3
CORE		3
		16

		10
Spring Sen	nester	
Kine 495	Internship in Wellness	6
		6

For additional	information	contact
Pat Linira		

Office: Young Gymnasium 214
Phone: 417.625.9573
E-mail: lipira-p@mail.mssc.edu

### Course Descriptions

# Kine 101 (F,S) 1 hr. cr. Introduction to Physical Activity

Designed to assist students in developing proficiency in a physical activity to increase the likelihood of lifetime participation. Required course for Core Curriculum. Non-repeated activities may be taken a maximum of three times for credit.

### Kine 103 (F,S) 2 hrs. cr. **Lifetime Wellness**

Designed to provide students with the knowledge and self-management skills that will assist them in adopting healthy lifestyles. The course will encompass all areas of wellness: physical, emotional, spiritual, social, and intellectual. Required course for Core Curriculum.

### Kine 113 (F, S) 2 hrs. cr. Wellness for the Health Professional

Contemporary information about the beneficial effects of a positive health life-style and how to implement and live such a life-style. Required and limited to students studying in the department of kinesiology.

Kine 114 (F, S) 2 hrs. cr.

Fitness Programming and Assessment

Designed to teach introductory theory and technique in exercise programming and testing. Techniques for conducting physical fitness assessments are studied. Tests of cardiorespiratory fitness, muscular strength and endurance, joint flexibility, body composition, and pulmonary capacity are addressed. Prerequisite: Kine 113.

Kine 135 (S)

2 hrs. cr.

### History and Philosophy of Physical Education

Changing role of physical education from past to present as evidenced through the influence of the various philosophies. Prerequisite: Kine 113 or concurrently.

Kine 150 (S)

3 hrs. cr.

### Rules and Officiating of Team Sports

Knowledge and skills for officiating basketball, volleyball, softball, baseball, and football; officiating laboratory required in some areas. Open to all students.

Kine 160 (F)

2 hrs. cr.

### Personal and Community Health

Study of the major risk factors determining health status, with special considerations given to principles and practices of good health for individual and community concerns, including personal and community assessments, body mechanics, nutrition, legal and illegal substances, responsible sexual behavior, mental health, and the cause and prevention of disease. Not recommended for elementary education majors.

Kine 170 (S)

2 hrs. cr.

### **Drug Education**

Examine the dimensions and problems of drug use and abuse in our society. Basic information on drug classifications, as well as specific content areas dealing with pharmacology, legislation, drug tresting, drug education and prevention efforts will be covered. Key societal influences will be addressed including drugs in the workplace, in sports, in medicine, and throughout our culture.

Kine 220 (F,S)

2 hrs. cr.

### First Aid and Sport Safety

Designed to offer students the knowledge and skills necessary to sustain life, in an emergency situation, by minimizing the consequences of injury and sudden illness until medical help arrives. Strategies for providing a safe environment for athletes and injury prevention will also be presented.

### Kine 251 (F)

3 hrs. cr.

### Lifetime Activities I

Study of the skills and instructional strategies of selected lifetime activities commonly found in the school physical education curriculum. Health Promotion majors will participate in traditional as well as contemporary exercise interventions. Enrollment restricted to students studying in the Kinesiology department. Prerequisite: Kine 113.

### Kine 252 (S)

3 hrs. cr.

### Lifetime Activities II

Study of the skills and instructional strategies of selected lifetime activities commonly found in the school physical education curriculum. Health Promotion majors will participate in traditional as well as contemporary exercise interventions. Enrollment restricted to students studying in the Kinesiology department. Prerequisite: Kine 113.

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Kine 255 (F,S)

2 hrs. cr.

### Theory and Technique of Dance and Exercise

Students will develop and refine the content knowledge and pedagogical skills needed for instructing dance, rhythms, and lifelong leisure activities.

Kine 260 (S)

2 hrs. cr.

### Theory of Basketball

Organization and management of a school basketball program. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 261 (S)

2 hrs. cr.

### Theory of Football

Organization and management of a school football program. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied

Kine 262 (S)

2 hrs. cr.

### Theory of Track and Field

Organization and administration of meets, coaching, physical conditioning, and training for each event in track and field programs.

Kine 263 (F)

2 hrs. cr.

### Theory of Coaching Volleyball

Organization and management of volleyball competition. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 264 (F)

2 hrs. cr.

### Theory of Baseball and Softball

Organization and management of a school baseball/softball program including individual techniques, team play, and challenges in coaching.

Kine 265 (S)

2 hr. cr.

### Theory of Coaching Soccer

Organization and management of soccer competition. Systems of offense and defense, rules, strategy, and fundamentals of soccer are studied.

Kine 292 (F,S)

2 hrs. cr.

### **Fitness and Weight Training**

Designed to assist health promotion professionals with designing and implementing strength training programs and with weight room management. Restricted to Health Promotion majors. Prerequisite: Kine 113

Kine 295 (F, S)

1 hr. cr.

# Orientation to Health Promotion and Wellness

An orientation to health promotion and wellness. A 15 clock-hour field based component is a part of this class. Students will receive initial exposure to community and hospital health promotion and wellness programs as well as Southern's Wellness Program. Limited to Kine majors. Prerequisites: Kine 114 and Kine 220.

Kine 305 (S)

2 hrs. cr.

### Aging and Health

Designed to explore the physiological process of aging and the role of interventions. Prerequisite: Kine 103 or Kine 113.

Kine 310 (F)

3 hrs. cr.

### Theory and Technique of Elementary Physical Education I

Designed to provide pedagogical knowledge and application necessary for instruction of physical education with the elementary school child. Emphasis on motor skill instruction and analysis, curricular design, lesson planning, and class management. Enrollment restricted to Physical Education majors. Prerequisite: Kine 251 or

Kine 311 (F,S)

2 hrs. cr.

### Physical Education for the Elementary School

Provides elementary education candidates with the skill, content and pedagogical knowledge necessary to design and implement an interdisciplinary physical education program. Emphasis is on development of the total child through physical activity. Prerequisite: a biology course and 60 hours

Kine 312 (S)

3 hrs. cr.

### Theory and Technique of Elementary Physical Education II

Designed to provide pedagogical knowledge and practical experience for instruction in the elementary school physical education setting. Emphasis on physical fitness assessment, unit planning, and lifetime activity and sport instruction. Includes an 18-hour field experience. Prerequisite: Kine 310.

Kine 321 (F)

3 hrs. cr.

# Theory and Technique of Secondary Physical Education

Offers pedagogical considerations necessary to develop teaching methodologies relative to lesson plan construction, class organization, and evaluation of students. Teaching sessions will provide the opportunity to experience a variety of teaching methods and organizational styles. Enrollment restricted to Physical Education majors. Prerequisite: Kine 251 or Kine 252.

Kine 325 (F,S)

2 hrs. cr

### **Practicum in Sports Medicine**

This course is designed to provide the student the opportunity to observe and participate in athletic training procedures performed on athletes in the MSSC athletic training facility. (80 hours). Can be repeated once for credit. Prerequisites: Kine 220 and permission of instructor.

Kine 332 (F)

2 hrs. cr.

#### Rhythmic Form and Analysis

Designed to develop content knowledge and pedagogical skill in the area of dance and rhythmic activities developmentally appropriate for the PK-6 elementary physical education curriculum. Emphasis on movement concepts through activi-

ties involving creative dance, singing games, dances of American origin, international folk dances, and a variety of rhythmic activities. Includes a five-hour pre-school experience. Pre-requisite: Kine 310 or concurrent enrollment in Kine 310.

Kine 340 (F,S)

2 hrs. cr.

### Motor Learning in Physical Education

Designed to provide students with the background necessary for identification of physical, mental, social, and emotional development and the effects on behavior movement. Prerequisite: 30 hours.

Kine 342 (F,S)

3 hrs. cr.

### **Biomechanical Analysis of Movement**

A biomechanical approach to the study of forces on the human body with an emphasis on performance improvement, injury prevention, and rehabilitation in sport and exercise. Prerequisite: Bio 201 or Bio 221.

Kine 345 (F,S)

2 hrs. cr.

### Tests and Measurements in Physical Education

Designed to introduce students to the techniques of measuring and evaluating performance. Includes preparation and administration of skill, fitness, and written tests along with statistical procedures for data analysis. Prerequisite: Kine 114

Kine 355 (Summer)

1 hr. c

### Lifetime Sports Academy Practicum

A one-week practicum designed to provide students with practical teaching experience of children in lifetime sports and recreational activities. The *Lifetime Sports Academy* is held annually on the campus of Missouri Southern State College during the second week of June and is open to all elementary-aged children. Required of Physical Education majors. Can be repeated once for credit.

Kine 365 (F)

(F)

2 hrs. cr.

### Psychological Aspects of

Physical Education (Writing Intensive)
Behavior exhibited in the learning of skills and
physical performance related to psychological
concepts connected with the demands of physical activities. Particular attention given to
self-efficacy, motivation, and participation and
their effect on physical performance and personal wellness.

Kine 366 (S)

2 hrs. cr.

Social Aspects of Physical Education

Knowledge of the sociological aspects of physical activity relevant to physical education in schools. Particular attention given to the role of physical activity in social, ethical, and moral development of citizens.

### Kinesiology, Psychology / 161

Kine 370 (F,S)

3 hrs. cr.

School Health Education (Writing Intensive)
This course provides the background information
and skills teachers need to implement comprehensive school health education at the grade
levels in which they are certified. Prerequisite:
Educ 329 or current enrollment in Educ 329.

Kine 375 (F,S)

2 hrs. cr.

#### Adapted Physical Education

Provides information and strategies to assist professionals in designing and implementing appropriate physical activity programs for individuals with disabilities.

Kine 385 (F,S)

3 hrs. cr.

### **Nutrition for Human Development**

Students will examine nutrition associated with human development and performance. Emphasis on the physiological and biochemical basis of nutrient absorption and utilization. Particular attention will be given to evaluating and developing strategies for optimal nutrition at various life stages. Prerequisite: any biology or chemistry course.

Kine 395 (F,S)

2 hrs. cr.

#### Practicum in Wellness

Students will gain experience in planning, implementing, and evaluating various aspects of health promotion programs. Knowledge of wellness programs will be enhanced by the development and refinement of skills appropriate to the discipline. Out of class opportunities will include working with the Missouri Southern Wellness Program and/or the community. Prerequisite: Kine 295.

Kine 431 (F,S)

2 hrs. cr.

#### Physiology of Exercise

Study of the effects of acute and chronic exercise on the systems of the body. Emphasis on energy, nutrition, and human performance. Prerequisite: Bio 201 or Bio 221

Kine 432 (F)

2 hrs. cr.

### Physiology of Exercise Laboratory

Lab activities with emphasis on instrumentation and techniques used in the assessment of the physiological response to exercise. Required course for Health Promotion and Wellness majors. Prerequisite: Bio 201 or Bio 221

Kine 495 (F, S)

6 hrs. cr.

### Internship in Wellness

Extensive, off-campus internship providing opportunity for students to be an integral component of a wellness or health promotion facility. Students and on-site supervisor will develop a contractual agreement that provides specific learning experiences for the internship. Prerequisites: health promotion and wellness major, application for experience at least one semester in advance, and consent of department.

Kine 498 (Demand)

1-3 hrs. cr.

Seminar in Health or Physical Education A thorough study of an advanced problem in health or physical education for selected students. Prerequisites: senior standing, permission of department head.

Kine 499 (F,S)

1-3 hrs. cr.

### Independent Study

Research of a problem or field of study relating to kinesiology. Material, content, credit, and schedule to be arranged by the department head. Prerequisites: senior standing, 3.0 GPA in major and permission of department head.



Taylor Hall 206, 417.625.9315

Faculty Murdock-Head, Babbitt, Cathey, Cochran, A. Cole, C. Cole, Griffin, Huffman, McDermid

The psychology department offers two degrees: the bachelor of arts (B.A.) and the bachelor of science (B.S.). Both degrees have the same requirements in the core and psychology. The B.A. includes an emphasis on foreign language; the B.S. includes an emphasis in math or science. Both degrees prepare students for careers that require a broad liberal arts education at the bachelor's level. Recent graduates with the bachelor's degree (B.A. & B.S.) have entered careers in human and social services, research, and business. The B.A. and B.S. degrees provide an excellent foundation for students who wish to earn advanced graduate degrees or go to professional school. Almost half of the recent graduates have entered into graduate programs.

Many psychology courses are taken by students with other majors. Psy 100 fulfills a requirement in the Core Curriculum. Several degrees require supporting courses in psychology. Students may also obtain a minor in psychology.

### Student Organizations

**Psychology Club** is open to all students who are interested in psychology. The club provides an informal setting for students to learn more about psychology. The club sponsors a wide variety of social and intellectual activities each semester.

Psi Chi is the national honor society in psychology. Psi Chi recognizes academic excellence and stimulates further scholarship. Psi Chi members are invited to participate in national and regional professional organizations. Locally the Psi Chi members share many activities with the Psychology Club.

### Bachelor of Arts in Psychology

Semester Hours

Psycholog	irements (p. 33) y Requirements	51 46
Psy 100	General Psychology *	3
Psy 305	Child & Adolescent	
	Development (4)	
OR		
Psy 300 AND	Child Development (3)	
Psy 301	Adolescent	
	Development (3)	1-6
Psy 320	Applied Statistics	3
Psy 325	Computers in the	
	Behavioral Sciences	3
Psy 330	Experimental Psychology	15
Psy 386	Conditioning & Learning	3
Psy 411 OR	Sensation & Perception	
Psy 415 OR	Animal Behavior	
Psy 442	Physiological Psychology	/3
Psy 341 OR	Social Psychology	
Psy 422	Theories of Personality	3
Psy 390	Junior Seminar	1
Psy 443	Memory & Cognition	3
Psy 452	History & Systems	
	of Psychology	3
Psy 481	Senior Thesis	3
Psychology	Electives	9
Supporting	Area	15

The supporting area requires at least 15 hours in one discipline other than psychology or a combination of areas is possible with approval of the adviser and the department head.

Foreign Language\*
Elective 6

12

124

\*This course meets a 3 hr. core requirement

### 162 / Psychology

Bachelor	of	Science	
in Psycho	olo	gy	

Semester Hours Core Requirements (p. 33) **Psychology Requirements** 46 Psy 100 General Psychology \*

Child Development (3)

Child & Adolescent Psy 305 Development OR

Psv 300 AND

Adolescent Psy 301

Development (3) 4-6 Psv 320 **Applied Statistics** 3 Psy 325 Computers in the

Behavioral Science Experimental Psychology 5 Psy 330 Psy 386 Conditioning & Learning 3 Psy 411 Sensation And Perception

OR Psy 415

Psv 422

Supporting Area

**Animal Behavior** OR

Psv 442 Physiological Psychology 3 Psy 341 Social Psychology OR Theories of Personality 3

Psy 390 Junior Seminar Memory & Cognition Psv 443 Psy 452 History and Systems

of Psychology 3 3 Psy 481 Senior Thesis 9 Psychology Electives

The supporting area requires at least 15 hours in one discipline other than psychology or a combination of areas is possible with approval of the adviser and the department head.

Additional hours of science, computer science or math that do not fulfill any other requirements 6 Electives

\*These courses meet a 3 hour core requirement.

Minor in Psychology

Psv 100 General Psychology 3 Psy 305 Child & Adolescent Development (4) OR Psv 300 Child Development (3)AND Psv 301 Adolescent Development (3) 3-4 Psv 320 Applied Statistics 3 Psychology Electives\* 11-12 A minor in psychology complements many majors providing knowledge and skills concerning personal, interpersonal, and group behavior. A psychology adviser will help students minoring in psychology to select method and content courses appropriate to their goals.

### Suggested Order of Study

### **Bachelor of Arts** Major Code 2001

**Psychology Major** 

Freshman Year 1st Semester Course

Hours 3 Psy 100 General Psychology College Orientation 1 Psy 120 [Eng 101 Comp 1 (WI)] 3 CORE CORE [Math 125, 130, 131] 3 CORE [Core Electives] 5

2nd Semester

1

3

124

21

Psy 305 Child & Adolescent Dev 4 3 CORE [Eng 102 (WI) (Eng 101)] CORE [Bio 101 Gen Bio] 4 6 CORE [Core Electives] 17

Sophomore Year

1st Semester Applied Stat (Psy 100) 3 Psv 320 Psy 341 Social Psychology\* OR Psy 411 Sensation & Perception\* OR Animal Behavior\* 3 Psy 415 6 CORE [Core Electives] 3 Foreign Language 15

2nd Semester Psy 325 Com in Behav Sci (Psy320) 3 Psychology Elective 3 Supporting Area 3 [Core Elective] 3 CORE 3 Foreign Language 15

Junior Year

1st Semester Psy 330 Exper Psy (WI) (Psy 325) 5 3 Supporting Area CORE [Core Elective] 4 3 Foreign Language 15

2nd Semes	ster	
Psy 390	Junior Seminar** (WI)	1
Psy 442	Physiological Psy**	
OR		
Psy 422	Theories of Personality**	3
Psy 386	Conditioning & Learning	
	(Psy 320)**	3
Supporting	Area	6
CORE	[Core Elective]	2
Foreign La	nguage	3
		18

### Senior Year

1st Semester Psy 443 Mem & Cog (Psy330)\* 3 6 Psychology Elective 3 Supporting Area 3 [CORE Elective] CORE 15

2nd Semester

15

History & Sys (Psy 330)\*\* 3 Psy 452 3 Senior Thesis Psy 481 3 CORE [CORE Elective] 5 Electives 14

\*Offered fall semester only \*\*Offered spring semester only (Prerequisites) [Department Recommendations]

### **Bachelor of Science** Major Code 2000 **Psychology Major**

Freshman Year

1st Semester General Psychology Psv 100 1 Psy 120 College Orientation 3 [Eng 101 Comp I (WI)] CORE [Math 125,130 or 131] CORE 3 5 CORE [CORE Electives] 15

2nd Semester

Child/Adolescent Dev Psv 305 CORE [Eng 102 (WI) (Eng 101)] 3 4 CORE [Bio 101 Gen Biology] 6 CORE [CORE Electives] 17

Sophomore Year

1st Semester Applied Stat (Psy 100) Psy 320 Psy 341 Social Psychology\* OR Psy 411 Sensation & Perception\* OR Psy 415 Animal Behavior\* CORE [CORE Electives] Science 15

3

3

6

3

\*Select with approval of a psychology adviser.

### Psychology / 163

The course covers development from conception to late childhood, including physical, cognitive, emotional and social development. Theories and methods of developmental psychology will be

discussed. The course material will include a

variety of individual and group activities. Prereq-

uisite: Psy 100. No credit will be given if Psy 305

The course covers adolescent development, in-

cluding physical, cognitive, emotional and social

development. Theories of adolescent develop-

ment will be presented, as well as the contextual

influences of family, peers, school, and culture.

The course material will include a variety of individual and group activities. Prerequisite: Psy

100. No credit will be given if Psy 305 has been

3 hrs. cr.

3 hrs. cr.

2 hrs. cr.

Psychology Supporting A	Com in Behav Sci (Psy 32) Elective	0) 3
Ocience		15
Junior Year		
Psy 330	Exper Psy (WI) (Psy 325)	5
Supporting A	[CORE Electives]	3
Science	[com2_noning]	17
2nd Semeste	er Junior Seminar** (WI)	1
Psy 390 Psy 442 OR	Physiological Psy**	
Psy 422	Theories of Personality**	3
Psy 386 Supporting A	Condition & Learning	6
CORE	[CORE Electives]	3
		16
Senior Year		
1st Semeste Psy 443	r Mem & Cog (Psy 330)*	3
Psychology I		6
Supporting A		3
CORE	[CORE Electives]	15
2nd Semeste		
Psy 452 Psy 481	History & Sys (Psy 330)** Senior Thesis (WI)	3
CORE	[CORE Elective]	3
Electives		5
		14
	semester only	
(Prerequisite	ring semester only s)	
[Department	Recommendations]	
Other Requir		
Nine hours a	are required from math, co	mpi

addition to all other requirements. These replace

the foreign language requirement.

Dr. Gwen Murdock

Office: Taylor Hall 209

Phone: 417.625.9504

For additional information contact:

E-mail: murdock-g@mail.mssc.edu

### chology major or minor. Psy 120 (F,S) College Orientation

A requirement for all incoming freshmen. Provides a small group setting for open communication between students in an informal situation. Content focuses on practical knowledge necessary for academic survival, adviser assignment, and current issues of concern. Regular course withdrawal procedures do not apply. No credit toward psychology major or minor.

#### Psy 221 (F,S) 3 hrs. cr. Personal Adjustment

Selected principles of adjustment, ways of improving adjustment and research of practical value. Some emphasis on assertion skills.

#### Psy 282 (F) 3 hrs. cr. Applied Behaviorism

Techniques of modifying behavior through principles developed by learning psychology. Emphasis on design and implementation of behavioral strategy in the laboratory, as well as practical settings. Prerequisite: Psy 100.

#### Psy 298 (Demand) 1-3 hr. cr. Special Topics in Psychology

Special topics in psychology not normally included in other courses. Prerequisites to be determined by the department.

# **Course Descriptions**

Psy 100 (F,S) 3 hrs. cr.

General Psychology Introductory course stressing the importance of the psychological mechanisms underlying all human behavior. Satisfies the CORE Curriculum requirement.

Psy 100 (F) 3 hrs. cr. General Psychology-Honors

The same topics as general psychology above. Designed and specially taught for honors students. Other students permitted with consent of instructor.

Psv 105 1 hr. cr.

Career and Life Planning

Materials and methods to help students investigate their present lifestyles including concrete methods of decision making and goal setting. Concentrated career/vocational choice sessions will help students determine an appropriate career. Offered during the second half of each semester. No credit toward psy-

1 hr. cr.

completed.

Psy 302 (F,S)

The Exceptional Child

Psy 300 (F,S)

Child Development

has been completed.

Adolescent Development

Psy 301 (F,S)

A series of awareness experiences which deal with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 100.

Psy 305 (F,S) Child & Adolescent Development

Aspects of human development during conception, infancy, childhood, transescence to adolescence will be examined, including, physical, emotional, social, and cognitive development. Emphasis will be given to theoretical frameworks and their practical implications. Cross-cultural variety will be included wherever appropriate. Prerequisites: Psy 100. One hour credit will be given if Psy 300 or Psy 301 have been completed.

#### Psy 310 (F,S) 2 hrs. cr.

**Educational Psychology** 

Psychological problems involved in education and the practical application of psychological principles of teaching. Special emphasis on the learner, the learning process, and the learning situation. Prerequisite: Psy 100.

Psy 320 (F,S) 3 hrs. cr.

### Applied Statistics for the **Behavioral and Natural Sciences**

The course includes descriptive and inferential techniques. The analysis and interpretation of data is emphasized. Prerequisites: Psy 100 (or permission) and Math 110, 130 or 131.

Psy 325 (F,S) 3 hrs. cr.

Computers in the Behavioral Sciences Applications of computers in behavioral sciences with an emphasis on statistical analysis, data collection, and report generation. Prerequisite: Psy 320.

### 164 / Psychology

Psy 330 (F,S)

5 hrs. cr.

Experimental Psychology (Writing Intensive) The research process is the foundation for knowledge in the field of psychology. This laboratory course stresses the acquisition of basic skills in conceiving and carrying out research, as well as analyzing results and writing reports in a professionally acceptable manner. Prerequisite or corequisite: Psy 325

Psy 341 (F)

3 hrs. cr.

Social Psychology

Introduction to the study of individuals' thoughts, feelings, and behaviors as they are influenced by their social environment, including interpersonal, intragroup, and intergroup influences. Prerequisite: Psy 100.

Psy 343 (Demand)

3 hrs. cr.

**Human Sexuality** 

Surveys current research and theory related to human sexuality. Human sexual behavior and attitudes will be viewed from biological, psychological, historical, and cultural perspectives. Prerequisites: Psy 100.

Psy 386 (S)

3 hrs. cr.

Conditioning & Learning

Leading theories and research in the field of learning. Topics include Non-Associative Learning, Classical Conditioning, Instrumental Learning, Stimulus Control of Behavior, Punishment, Avoidance Behavior, and Cognitive Processes. Prerequisite: Psy 320.

Psy 390 (S)

1 hr. cr.

(Writing Intensive) **Junior Seminar** For Junior Psychology majors. Information & experiences helpful in making decisions about and preparing for careers, emphasizing preparation for either graduate school or baccalaureate level employment. Corequisite or Prerequisite: Psy 320.

Psy 411 (F, Even)

3 hrs. cr.

Sensation and Perception

Includes classical and modern psychophysical techniques. The physiology of various sensory systems, e.g. vision and audition, are examined in order to appreciate the nature of perception. Prerequisite: Psy 100.

Psy 412 (F,S)

2 hrs. cr.

Measurement and Evaluation in **Education and Psychology** 

Explores theories and problems of measurement and the assessment of learning. Contemporary and classical approaches to measuring achievement in the educational setting are examined. Prerequisite: Psy 310 or consent of instructor.

Psy 415 (F,Odd)

**Animal Behavior** 

3 hrs. cr.

3 hrs. cr.

History and Systems of Psychology

Historical antecedents and their effects on contemporary scientific psychology. Prerequisite: Psy 330 or consent of instructor.

Psy 460 (Demand)

3 hrs. cr.

**Advanced Research Projects** 

Advances the research skills in psychology beyond what is learned in Psy 330. Students will conceive, design, gather, and analyze the data and write up a naturalistic observation, a survey, or an experiment of their own choosing. Students will function as sole investigators or as members of a team. The final research project can serve as a pilot study for the students' senior thesis as well as provide a project for presentation at a professional research conference. Prerequisite: Psy 330 or permission of the instructor.

Psy 422 (S)

3 hrs. cr.

Theories of Personality

101 or permission of the instructor.

Survey of major contemporary theories of personality, issues of personality assessment, and current research. Prerequisite: Psy 100 and junior standing.

Research in animal behavior from a phylogenetic

and ontogenetic perspective. Includes theoreti-

cal approaches, ethological methods, ethical con-

cerns, sensory capacities, learning, cognition,

and social behavior of animals. Field observa-

tions and experimental research for each topic.

Field trips are planned to supplement lectures

and discussions. Prerequisites: Psy 100 and Bio

Psy 432 (S)

3 hrs. cr.

**Abnormal Psychology** 

Recognition and classification of the systems of mental disorders, specifying causes and possible therapeutic techniques. Extensive use of the American Psychiatric AssociationOs Diagnostic and Statistical Manual of Mental Disorders. Prerequisite: Psy 100.

Psv 435 (F, Odd)

3 hrs. cr.

Clinical Psychology

Survey of history, current methods, guild issues and future developments of clinical practice. Seminar format with considerable student participation. Prerequisites: Junior standing and 15 hours of psychology.

Psy 442 (S)

3 hrs. cr.

Physiological Psychology

Structure and function of the nervous system from the individual neuron to the behavior of the organism. The biological basis of movement, sleep, homeostasis, sexual behavior, emotion, learning, language, and abnormal behavior will be examined from an ontogenetic and phylogenetic perspective. Prerequisite: Psy 100.

Psy 443 (F)

3 hrs. cr.

**Memory and Cognition** 

Designed to acquaint the student with the major issues and current research findings in the area of memory and cognitive processes. General topics include sensory, short-term and long-term memory; psychology and law; and artifical intelligence. Prerequisite: Psy 330.

Psy 450 (S)

3 hrs. cr.

**Psychology of Human Resources** 

An interdisciplinary approach to traditional areas of human resource management/organizational psychology, including group interaction, communication, interviewing, compensation and benefits, and legal environment. Experiential and theoretical methods will be used. Prerequisite: Psy 100 or MM 350 or permission of instructor.

Psy 470 (Demand)

3 hrs. cr.

**Psychological Measurement** 

Examines classical and contemporary theories and practices in psychological measurement. Students apply measurement theory in the construction of an original instrument and establish the properties of reliability and validity. Prerequisites: 12 hours of psychology course work including Psy 320.

Psy 481 (F,S)

3 hrs. cr.

**Senior Thesis** (Writing Intensive) Students design and conduct research projects resulting in a written thesis and an oral presentation. Prerequisite: Psy 330 and Senior Standing.

Psy 498 (Demand)

1-3 hrs. cr.

Seminar in Psychology

Specialized knowledge and/or current research in psychology. Topics vary by interest and demand. Number of weekly meetings equal to credit hours granted. Prerequisite: Junior-senior standing and consent of instructor. Some seminars are marked (H) in the class schedule and are intended for honors students. Other students may enroll in honors seminars with consent of instructor.

Psy 499 (Demand)

1-3 hrs. cr.

**Independent Study** 

Course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration must be approved by adviser and department head.

# **Teacher Education**

Taylor Hall 232, 417.625.9309

Faculty Abight, Cade, Cox, Faine, Freeman, Overdeer, Pulliam, Roberts, Scholl, Smith, Spencer

All teacher education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the National Council for the Accreditation of Teacher Education (NCATE).

### **Program Objectives**

Objectives for all programs in teacher education can be found in the *Teacher Education Program Policy Handbook For Faculty* and in the *Teacher Education Program Policy Handbook for Students*. Objectives for the student teaching program can be found in the *Policy Handbook for Student Teachers, Cooperating Teachers, and College Supervisors*.

#### **Teacher Education**

The descriptions of the teacher education programs and the requirements that are listed for each program in teacher education in this catalog are subject to change during the period that this catalog is in use. As changes are made by the State Department of Elementary and Secondary Education (DESE), legislative and regulatory bodies, and accrediting agencies, candidates in the program will be alerted through the advising process. Teacher education candidates are responsible for their programs of study. They are encouraged to obtain degree plan sheets for the program they are pursuing and work closely with their advisers.

Eligibility for current certification is a requirement for graduation. Transfer students with a Missouri Associate of Arts degree will need to meet several MSSC core requirements. The assistant teacher certification officer, Taylor Hall 222, must complete a transcript evaluation as the core is not automatically complete for certification.

The teacher education program consists of the Teacher Education Department and Secondary Education Committee, the Teacher Education Council (which serve as the governing unit), and the Committee on Admission and Retention. The Teacher Education Department oversees all teacher education programs and is specifically responsible for the elementary education program grades 1 through 6; early childhood education program, birth through grade 3; middle school program, grades 5 through 9; special education programs, grades K through 12; and TESOL program grades K through 12.

The Dean of the School of Education is the chief spokesperson for the teacher education program and in this capacity is the chief administrator responsible for the teacher education programs. The dean serves under the direction of the President of the College and the Vice President for Academic Affairs.

The teacher education program is based on a conceptual framework that defines the role of the teacher as an educational decision maker. In this role, the teacher must make decisions about pedagogical design and lesson design. Decisions concerning pedagogical design include those regarding classroom management, curriculum development, field experiences, technology, and program evaluation. Decisions about lesson design include communications, use of science, technology, and the arts, problem solving, values clarification, intellectual domains, and social institutions. An extension of the role of the teacher as an educational decision maker includes the teacher as a learner, provider of services, researcher, and change agent.

Central to the preparation for teaching is the conceptual framework, composed of knowledge, skills, and techniques that have been gathered from research, reported effective practices, and learned societies in such areas as human growth and development, learning theory, assessment, cultural diversity and special needs, curriculum content, psychological, sociological, historical, and philosophical foundations, principles of effective instruction, and school effectiveness.

In order to be an effective educational decision maker, the teacher must possess certain knowledge, cognitive abilities, and pedagogical skills. These are included in the following 10 standards:

 The preservice teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) within the context of a global society and creates learning experiences that make these aspects of subject matter meaningful for students.

- The preservice teacher understands how students learn and develop, and provides learning opportunities that support the intellectual, social, and personal development of all students.
- The preservice teacher understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.
- The preservice teacher recognizes the importance of long-range planning and curriculum development and develops, implements, and evaluates curriculum based upon student, district, and state performance standards.
- The preservice teacher uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.
- The preservice teacher uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.
- The preservice teacher models effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.
- The preservice teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social and physical development of the learner.
- The preservice teacher is a reflective practitioner who continually assesses the effects of choices and actions on others. This reflective practitioner actively seeks out opportunities to grow professionally and utilize the assessment and professional growth to generate more learning for more students.
- The preservice teacher fosters relationships with school colleagues, parents and educational partners in the larger community to support student learning and well-being.

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### Admission to the Teacher Education Program

After the candidate declares a major in teacher education, two levels of admission to the teacher education program exist.

The first level is application for tentative formal admission.

Applications for tentative formal admission to the teacher education program may be filed with the Dean of the School of Education after the candidate has declared a teacher education major and successfully completed 55 semester hours of prescribed course work, including current semester enrollment. The deadline for application is the third week in February for those seeking formal admission in the subsequent fall semester. The deadline for application for those seeking admission in the spring semester is the third week in October.

Students must have tentative formal admittance before courses can be taken in professional education. Courses with an EDUC prefix cannot be taken until the Junior Block (Educ 329, 321, & 423) has been completed, except for Educ 100, Educ 200, and Educ 302, which may be taken at any time. Educ 301 must be taken before or concurrently with the Junior Block. Educ 316, Educ 324, Educ 342, Educ 380, Educ 422, and Educ 480 may be taken concurrently with the Junior Block classes.

Qualifications for tentative formal admission include the following:

- Submit a completed application that is signed by the candidate's adviser.
- Have a cumulative GPA of 2.75 in all course work. All candidates in education must maintain a cumulative GPA of 2.5 in their teaching areas, e.g., art, mathematics, elementary education, etc.
- Pass all sections of the Missouri C-Base Test with a minimum score of 235. (This test is not required of post baccalaureates.)
- Have a composite ACT enhanced score of 20 or a SAT (VM) of 800.
- Submit a hand-written autobiography in correct and coherent standard English. The autobiography must be read and approved by the candidate's adviser.

- Submit a passing evaluation in speech from the communications department.
- 7. Convicted felons must identify themselves by so indicating on the application for admission form. Upon identification the candidate will need to make certain documents and information available to the Admissions and Retention Committee of the Teacher Education Program, i.e., conviction status, probation information, recommendations from court and public officials associated with the conviction. This process must be repeated when application is made for student teaching. There is a process that convicted felons must follow before consideration is given for certification in the State of Missouri. Failure to identify oneself will cause the candidate to be immediately removed from the program.

When candidates complete these qualifications, they will receive tentative formal admission to the teacher education program and notification from the Dean. Candidates who fail to gain tentative formal admission also will be notified by the Dean. Reasons for failure to gain tentative formal admission will be stated, along with suggested corrective measures, should the candidate wish to continue pursuing formal admission.

The second level is full formal admission, which is granted after the candidate successfully completes the eight credit hour Junior Block: Educ 329, Pedagogical Theory, Methods, and Practices; Educ 321, Micro Teaching; and Educ 423, Classroom Management. The candidate must be recommended by the instructors of these courses. The candidate must maintain a cumulative GPA of 2.75. If at any point in the program a candidate's GPA drops below accepted levels, the candidate will be dismissed from the teacher education program.

Grades below a "C" in professional education courses will not be accepted for the degree requirements in teacher education. Candidates seeking certification in elementary education, middle school education, secondary education, special education, and early childhood education must have a grade of "C" or better in each of the courses in these certification areas.

 The following list are courses at MSSC that must have a grade no lower than a "C". The Department of Elementary and Secondary Education (DESE) classifies these courses under professional requirements as foundations of teaching, teaching methods, elementary school courses, and clinical experiences.

A) ALL "Educ" prefix classes

B) Psychology classes:

Psy 100 General Psychology

Psy 300 Child Development
Psy 301 Adolescent Development

Psy 305 Child/Adolescent Dev

Psy 310 Educational Psychology

Psy 412 Measurement & Evaluation

C) Education Requirements & General Education where applicable:

Geog 211 Regions & Nations 3 Econ180 American Economic Sys 3 Math 119 Math Elem, Tch I Math 120 Math Elem Tch II 3 3 Eng 325 Children's Literature 2 Art 220 Art Education Mus 332 Music for Elem Sch 2 Kine 311 PE for Elem Sch Kine 340 Motor Learning Kine 370 School Health

Candidates qualifying for formal admission to the program will be notified in writing by the Dean. The date of formal admission will be entered on the candidates's record by the Registrar. Candidates who have not met the criteria will also be notified and corrective measures suggested.

### **Admission to Student Teaching**

After completion of Educ 329, Pedagogical Theory, Methods, and Practices, but before the professional semester, candidates in early childhood education, elementary education, middle school education, and special education take approximately 26 or more hours of work in professional education and in a teaching specialty. During this time the candidate must maintain a cumulative GPA of 2.75 or better and a GPA of 2.5 or better in the teaching specialty. The candidate must earn a "C" or better in all professional education courses, and must retake courses in which a grade lower than "C" is earned. The candidate is expected to maintain those personal and professional requirements that were met as part of the admission requirements to teacher education. Requirements that must be met prior to admission to student teaching are:

- Be fully admitted to the teacher education program.
- 2. Have a cumulative GPA of 2.75.
- Have all previous course work completed at the time of student teaching.

- Have a completed application for student teaching on file at least one semester prior to the student teaching semester.
- 5. Have a grade of "C" or better in each professional education course.
- Have an approved typewritten autobiography on file. The autobiography must consist of two or more paragraphs.
- Convicted felons must complete the form provided upon applying for admission to student teaching.

The student teaching program is designed for candidates who have met all of the requirements for student teaching at Missouri Southern State College.

Attendance is required at a student teaching orientation the semester prior to student teaching. This orientation is held the second week of the semester. Attendance is also required at student teaching seminars. These seminars are held during the student teaching semester.

### **Graduation Requirements**

In order to graduate from the Teacher Education Program, the candidate must successfully complete the following exit requirements, in addition to all other academic requirements of the College:

- Demonstrate mastery of pedagogical knowledge and skills included in the 10 standards which are required of all teacher education students.
- Submit a portfolio of the candidate's work in the teacher education program for faculty assessment.
- Have a cumulative GPA of 2.75 or higher.
- Have a cumulative GPA of 2.5 or higher in the teaching specialty area.
- Pass the Teaching Specialty Exam, currently the ETS PRAXIS II Series.
- Successfully complete student teaching requirements.
- As part of the authentic assessment procedures, each candidate must have a successful exit interview.
- 8. Pass an FBI background check.
- Be eligible for current Missouri teacher certification.

#### Advisement

Advisers will be assigned to candidates upon admission to the college. For those without advisers, freshmen with declared majors in teacher education will have an adviser assigned as part of Educ 100, Introduction to Teacher Education I, and sophomores declaring a major in teacher education will be assigned advisers in Educ 200, Introduction to Teacher Education II. It is strongly recommended that all secondary teacher education majors have advisers in their teaching specialty area, due to the many specific course requirements and entrance and exit requirements for teacher education. Effective academic advisement is a partnership, with advisees taking responsibility for course work and degree completion.

Post-graduates holding Missouri certificates must have the Missouri State Department of Elementary and Secondary Education (DESE) evaluate their transcripts and make recommendations for course work that will lead to certification. After a plan sheet is received by the candidate, the requirements specified by DESE may be translated into MSSC courses by the Assistant Certification Officer in the Office of the Dean.

All students who enter Missouri Southern as freshmen teacher education candidates are required to take Educ 100, Introduction to Teacher Education I, during their freshman year and Educ 200, Introduction to Education II, during their sophomore year. Students who transfer into MSSC at the point of formal admission into the Teacher Education Program are not required to take these two courses.

### **Psychology Requirements**

All teacher education majors must take Psy 310 Educational Psychology.

Elementary education candidates (grades 1 through 6) and early childhood education candidates (Birth through grade 3) must take Psy 100 General Psychology and Psy 300 Child Development.

Middle school education candidates (grades 5 through 9), must take Psy 100 General Psychology and Psy 305 Child/Adolescent Development.

K-12 candidates, including special education candidates (grades K through 12), music education candidates (grades K through 12), art education candidates

(grades K through 12), physical education candidates (grades K through 12), foreign language education candidates (grades K through 12), TESOL candidates and reading concentration candidates (grades K through 12) must take Psy 100 General Psychology and Psy 305 Child/Adolescent Development.

Secondary education candidates in business education, English education, mathematics education, social studies education, speech/theatre education, or unified science education must take Psy 100 General Psychology and Psy 301 Adolescent Development.

### Certification

Candidates majoring in elementary education, elementary education/early childhood education, elementary education/special education, middle school education, secondary education, or K-12 education, who successfully complete the requirements for this degree will be recommended for the Professional Certificate-I teaching certificate. This is a probationary certificate that is granted for three years. Additional certification is granted by the Missouri Department of Elementary and Secondary Education. Students with degrees from MSSC or another institution who wish to be certified in the State of Missouri must meet all of the requirements that are set forth in this catalog for the B.S.E. degree. All programs are designed to exceed minimal requirements for certification. Programs of study and courses required may be obtained through the Assistant Certification Officer in the Office of the Dean and in the Teacher Education Department.

### Exceptions to the Core Requirements: Physical Education Requirements

All teacher education candidates must meet the Core Curriculum requirements with the exception of elementary education, early childhood education, special education, or TESOL education candidates. These candidates are not required to take Kine 101, P. E. Activities, and Kine 103, Lifetime Wellness. In place of these two courses, these teacher education candidates are required to take Kine 370, School Health Education, and Kine 311, Physical Education for the Elementary School.

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### Bachelor of Science in Education (B.S.E.) - Elementary Education

### **Area of Concentration**

Candidates who elect elementary education (grades 1 through 6) as their teaching area must complete an area of concentration consisting of a minimum of 21 hours. This requirement may be met in one of two ways as follows:

**Option 1:** A collection of 21 hours of approved courses in an area of study, including art, English, mathematics, music, reading, science, social studies, speech/theatre, or other approved area.

Option 2: An added certification in an area of study, such as early childhood education (Birth-Grade 3), special education (K-12), or TESOL (K-12). A course of study for these certificates is available in the teacher education department office. The elementary professional education sequence (1-6) must be followed along with the selected area of the added certificate.

# 1-6 Elementary Professional Education courses (Option 1)

Laucation	courses (option 1)	
		Hours
Math 119	Math Elem. I	3
Math 120	Math Elem. II	3
Eng 325	Children's Lit.	3
Art 220	Art Education	2
Mus 332	Mus for the Elem. Tch.	2
Kine 311	P.E. for the Elem. Tch.	2
Kine 370	School Health	3
Psy 300	Child Development	3
Psy 310	Educ. Psychology	2
Educ 100	Intro to Teacher Ed. I	1
Educ 200	Intro to Teacher Ed II	1
Educ 301	Use of Computer Sftwre	3
Educ 302	Exceptional Child	2
Educ 311	Sci in the Elem. & M.S.	3
Educ 312	Problms in Tchg Arith.	3
Educ 322	Soc. Stds in the Elem & M	
Educ 329	PTMP	4
Educ 321	Mictoteaching	2
Educ 423	Classroom Mgmt	2
Educ 340	Language Arts	2
Educ 342	Developmental Rdg	3
Educ 343	Content Area Lit: MS	3
Educ 402	Foundations in Educ.	2
Educ 432	Critical Issues	2
Educ 470	Diagnostic & Rmdl Rdg.	3
	Educ or Psy Electives	4-6
Educ 442	Student Teaching Elem.	8

### K-12 Special Education (Option 2)

		Hours
Educ 324	Intro to Sp. Ed.	3
Educ 348	Transition Services	2
Educ 410	Tch Mld/Mod Cross-C	3
Educ 420	Intro to Counseling	3

E	duc 430	Language Development	3	Educ 402	Foundations of Educ.	2
E	duc 446	Practicum in Sp. Ed.	3	Educ 412	Phil, Org. & Curr.	2
E	duc 403 or	404 or 405 Methods	3	Educ 413	Mthds Tchg in Mid. Grds.	2
E	duc 474	Ed Psy Testing	3	Educ 432	Critical Issues	2
E	duc 444	Student Teaching Sp Ed.	8	Educ 452	Student Teaching Middle S.	8

### B-3 Early Childhood Education (Option 2)

		Hours
Kine 340	Motor Learning	2
Educ 316	Fds, Issue, Trnds-ECE	2
Educ 317	Curr - ECE	3
Educ 318	Meths-Mats ECE	3
Educ 319	Practicum Meths-Mats EC	E 2
Educ 323	Utlizing Fam. & Com.	3
Educ 408	Assessment ECE & Prac.	4
Educ 430	Language Development	3
Educ 442	Student Teaching Elem.	8

#### K-12 TESOL (Option 2)

		Hours
Eng 301	Modern Grammar	3
Educ 380	Theories/Sec. Lang.	3
Educ 381	Theories of TESOL	3
Educ 480	Methods of TESOL	3
Educ 481	Mat. Dev. & Assmt TESOL	. 3
Educ 482	Pract. TESOL	3
Educ 422	Content Area Lit: Sec.	2
Educ 342	Developmental Rdg.	3
Elective	or other approved course	3
Educ 442	Student Teaching	8

### Bachelor of Science in Education - Middle School

Candidates who elect middle school (grades 5-9) as their major must complete two areas of certification consisting of 22-32 hours in each area. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty. Students who desire to teach in a middle school may choose to become certified in any two of the following seven areas: Language Arts (English), Math, Science, Social Studies, Business, Industrial Technology, Speech/Theatre.

### 5-9 Middle School Professional Education courses

		Hours
Math 119	Math Elem I	3
Math 120	Math Elem II	3
Psy 305	Child/Adolescent Dev.	4
Psy 310	Educ Psychology	2
Psy 412	Meas. & Eval	2
Educ 100	Intro to Tchr Educ I	1
Educ 200	Intro to Tchr Edu II	1
Educ 301	Use of Cmptr. Sftwre	3
Educ 302	Exceptional Child	2
2 cont. area	methods courses	4-6
(Educ 311	, 312, 322, 336, 340, 344,	330)
Educ 321	Microteaching	2
Educ 329	PTMP	4
Educ 423	Classroom Management	2
Educ 342	Developmental Rdg.	3
Educ 343	Content Area Lit: MS	3

Core and department requirements for the middle school professional education courses total 100 hours. The number of hours added to this core depends on the two content areas chosen. The possible choices and hours are listed below.

Soc.Stu/.English	=	31
English/Sci	=	36
English/Math	=	36
Soc.Stu./Sci	=	30
Soc.Stu./Math	=	30
Sci/Math	=	38
Sci/Industrial Tech	=	43
Sci/Business	=	42
Speech&Theater/Soc.Stu.	=	37
Speech&Theater/English	=	43
Speech&Theater/Sci	=	45
Industrial Tech/Soc.Stu.	=	35
Industrial Tech/Speech		
&Theater	=	50
Industrial Tech/English	=	41
Business/Soc.Stu.	=	34
Business/Industrial Tech	=	47
Business/Speech&Theater	=	49
English/Business	=	40
Math/Speech&Theater	=	45
Math/Industrial Tech	=	43
Math/Business	=	42

### Total Hours for degree in Middle School:

-	131
=	136
=	136
=	130
=	130
=	138
=	143
=	142
=	137
=	143
=	145
=	135
=	150
=	141
=	134
=	147
=	149
=	140
=	145
=	143
=	142

### **Bachelor of Science in Education-Secondary Education or K-12**

The curriculum for secondary education is a joint effort of each department supporting a teaching specialty area and the teacher education department.

The candidate who desires to teach in a secondary school may choose to become qualified in a single teaching field with a high degree of specialization or in two different teaching fields with a lesser degree of specialization. Specialties available for secondary school teaching are:

- 1. Art K-12
- 2. Business Education 9-12
- 3. English 9-12
- 4. French K-12
- 5. German K-12
- 6. Industrial Technology 9-12
- Mathematics 9-12 7.
- Music K-12 (Vocal and/or Instrumental)
- 9. Physical Education K-12
- 10. Social Studies 9-12
- 11. Spanish K-12
- 12. Speech/Theatre 9-12
- 13. Unified Science 9-12 (with emphasis in biology, chemistry, or physics)

### Plan A: (Double Teaching Field)

Plan A is intended for those who desire to qualify as teachers in two different subject matter areas. Each area requires a minimum of 30 semester hours of specific course work which must meet minimum Missouri State Department of Elementary and Secondary Education requirements. Plan A is not available in social science or unified science. If Plan A is selected, a second teaching field is required.

### Plan B: (Single Teaching Field)

Plan B is intended for persons who wish to concentrate teacher preparation in one subject matter area only. Forty or more semester hours are required in the subject matter area or related supporting courses listed in this catalog by department.

### The Teaching Specialty for Secondary Education K-12/9-12

Candidates in secondary education must meet the same core requirements as all MSSC students. Depending on the teaching specialty, these candidates will differ in the order in which they take the Core Curriculum requirements. Each specialty area

has a sequence of courses for the teaching specialty. Candidates should refer to the catalog under the teaching specialty.

#### K-12 Professional Education Courses:

	ł	Hours
Psy 305	Child/Adolescent Dev.	4
Psy 310	Educational Psy	2
Educ 100	Intro to Tchr Educ. I	1
Educ 200	Intro to Tchr Educ II	1
Educ 301	Use of Cmptr. Sftwr	3
Educ 302	Exceptional Child	2
Educ 321	Microteaching	2
Educ 329	PTMP	4
Educ 335,33	7,338,345 (Methods Course)	) 2
Educ 402	Foundations of Educ.	2
Educ 412, or	420, or Psy 412 (Elec.)	2-3
Educ 422	Content Area Lit.: Sec	2
Educ 423	Classroom Management	2
Educ 432	Critical Issues	2
Educ 464	Student Teaching K-12	8

### 9-12 Secondary Professional **Education Sequence:**

Psy 301	Adolescent Development	3
Psy 310	Educational Psy	2
Educ 100	Intro to Tchr Educ. I	1
Educ 200	Intro to Tchr Educ II	1
Educ 301	Use of Comptr Sftwr	3
Educ 302	Exceptional Child	2
Educ 321	Microteaching	2
Educ 329	PTMP	4
Educ 330,	332, 333, 334, 336, 339, 344	
(Me	thods Courses)	2
Educ 402	Foundations of Educ.	2
Educ 412,	or 420, or Psy 412 (Elec.)	2-3
Educ 422	Content Area Lit: Sec	2
Educ 423	Classroom Management	2
Educ 432	Critical Issues	2
Educ 462	Student Teaching Sec.	8

### Programs (Examples:)

### 1. Elementary Education -Option I with a 21 hour concentration

### Suggested Order of Study

### **Bachelor of Science in Education** Elementary Education/ with Social **Studies Concentration**

Major Code 9007

#### Freshman year

1st Semest	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
,	9	4.4

#### 2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Comm 100 Oral Comm]*	3
CORE	[Hist 110 U.S.1492-1877]	3
CORE	[Humanities/Fine Arts (2A)]	3
		15

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

### Sophomore Year

st Semester	Semester
-------------	----------

Educ 200	Intro to Tchr Educ II	1
CORE	[Bio 101 General Bio]	4
CORE	[Hist 120 US 1877-present]	3
CORE	[Humanities/Fine Arts (2B)]	3
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
Psy 300	Child Development	3
		17

#### 2nd Semester

### Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is

less than 20,	candidate must retake the AC	T.
CORE	[Humanities/Fine Arts (2C)]	3
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
Mus 332	Music for Elem School	2
Educ 301	Comp Software Clsrm**	3
		15

### Junior Year

### 1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before any course from the junior block forward with an "Educ" prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Dev Reading: Elementary	3
Kine 370	School Health Educ (WI)***	3
Educ 302	The Exceptional Child	2
		16

### 2nd Semester

### Must be fully admitted to the Teacher Education

Program.		
Art 220	Art Education	2
Geog 211	Regions and Nations	3
Educ 343	Content Area M.S. (WI)	3
Educ 340	Language Arts	2
Educ 312	Prob of Tchng Arith	3
Psy 310	Educational Psy	2
-		15

Senior Yea	r	
1st Semest	er	
Eng 325	Children's Lit (WI)	3
Educ 470	Diag & Remdl Rdg	3
Educ 311	Tchng Sci Elem	3
	(Bio 101, Phys 101)	
Educ 322	Tchng Soc Studies	3
Elective @	@	2-3
		14-15

### 170 / Teacher Education

2nd Semester			
Educ 402	Foundations of Educ (WI)	2	
Educ 432	Critical Issues	2	
Elective @@		2-3	
Educ 442	Student Teaching	8	
		14-15	

### Total Elementary Education /with Social Studies Concentration 120-122#

@ @Select two upper division EDUC or PSY electives. If Educ 420 is chosen as an elective, it must be taken before student teaching.

#Additional hours of coursework needed to fulfill the graduation requirement. See your adviser.

(Prerequisites)

[Department Recommendations]

\*Candidate must have speech evaluation filed in the Dean's office.

\*\*This is a certification requirement and must be taken by all teacher education candidates before or concurrently with the Junior Block.

\*\*\*Meets the core requirements in Physical Education.

### Bachelor of Science in Education Elementary Education/ with Reading Concentration

Major Code 9000

### Freshman year

ist Semeste	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

2nd Semester			
CORE	[Math 120 Math Elem II]	3	
CORE	[Eng 102 (Eng101)] (WI)	3	
CORE	[Comm 100 Oral Comm]*	3	
CORE	[Hist 110 U. S. 1492-1877]	3	
CORE	[PSc 120 Gov't;US/Sta/Loc]	3	
CORE	[Humanities/Fine Arts (2A)]	3	
		10	

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

### Sophomore Year

1st Semester

ist semester		
Educ 200	Intro to Tch Educ II	1
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	[Humanities/Fine Arts (2B)]	3
CORE	[Humanities/Fine Arts (2C)]	3
		4

#### 2nd Semester

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, candidate must retake the ACT.

1000 1110111 20,	carrarate made retaine me	
Art 220	Art Education	2
Psy 305	Child/Adolescent Dev	4
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
Educ 301	Comp Software Clsrm**	3
		16

#### **Junior Year**

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ

100, Eauc 20	00, Educ 301 and Educ 302)	
Educ 329	Ped Theory Methds Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Mgt	2
Kine 370	School Health Educ ***(WI)	3
Educ 302	The Exceptional Child	2
Educ 342	Dev Reading: Elementary	3
		16

#### 2nd Semester

Must be fully admitted to the Teacher Education Program.

Education Pi	rogram.	
Educ 474	Educ & Psy Testing	3
Mus 332	Mus Elem School	2
Educ 343	Content Area Lit: M.S. (WI)	3
Educ 470	Diag & Rmdl Rdg	3
Educ 340	Language Arts	2
Educ 312	Probs of Tchng Arith	3
		16

### Junior Year - SUMMER

Educ 430	Language Development	3
Educ 471	Prac in Diag Rdg Diff	3
		6

### Senior Year

1st Semest	er
------------	----

Educ 322	Tchng Soc. Studies	3
Eng 325	Children's Literature (WI)	3
Educ 311	Teaching Science Elem	3
	(Bio 101, & Phys 101)	
Educ 420	Intro to Counseling	3
Educ 422	Content Area Lit: Sec. (WI)	2
Psy 310	Educational Psychology	2
		16

### 2nd Semester

Zilu Seilles	lei	
Educ 402	Found of Educ (WI)	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching Elem.	8
		12
<b>Total Elem</b>	entary Education /with	

### (Prerequisites)

[Department Recommendations]

**Reading Concentration** 

\*Candidate must have speech evaluation filed in the Dean's office.

\*\*This is a certification requirement and must be taken by all teacher education students prior to the Junior Block or concurrently.

\*\*\*Meets the core requirements in Physical Education.

# 2. Elementary Education/Early Childhood Education - Option 2

### Suggested Order of Study

### Bachelor of Science in Education Elementary Education/Early Childhood Education

Major Code 9010

### Freshman year

ist Semest	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

### 2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Comm 100 Oral Comm]*	3
CORE	[Hist 110 U.S.1492-1877	3
CORE	[PSc 120 Gov't: US/Sta/Loc]	3
		15

#### Sophomore Year

1st Semeste	r	
Educ 200	Intro to Tchr Educ II	1
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	[Humanities/Fine Arts (2A)]	3
CORE	[Humanities/Fine Arts (2B)]	3

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

### 2nd Semester

131

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20. candidate must retake the ACT.

less than 20,	candidate must retake the AC	1.
Art 220	Art Education	2
Psy 300	Child Development	3
Kine 311	PE in Elem Sch ***	2
CORE	[Phys 101]	5
Kine 340	Motor Learning#	2
CORE	[Humanities/Fine Arts (2C)]	3

### Sophomore Year - SUMMER

Copiloliloic	Tour Comment	
Eng 325	Children's Literature (WI)	3
Educ 301	Comp Software Clsrm**	3
Educ 302	Exceptional Child	2
		0

Junior Year		
1st Semester	r	
Candidate m	nust be tentatively admitted	to the
Teacher Edu	cation Program before cours	es with
an "Educ" pre	fix can be taken. (Exceptions	: Educ
100. Educ 20	00, Educ 301 and Educ 302)	
Educ 329	Ped The Methds & Prac	4
Educ 321	Microteaching	2
Educ 423		2
	Classroom Management	
Kine 370	School Health Educ (WI)***	3
Educ 316	Found, Iss, Trnd ECE#	2
Mus 332	Music in Elem Sch	2
		15
2nd Semeste		
	admitted to the Teacher	
Education Pr		
Educ 342	Dev Reading: Elementary	3
Educ 340	Language Arts	2
Educ 312	Prob of Tchng Arith	3
Educ 311	Teaching Science Elem	3
	(Bio 101, & Phys 101)	
Educ 317	Curriculum - ECE#	3
Educ 323	Util Fam Comm Res#	3
		17
<b>Junior Year</b>	- SUMMER	
Educ 408	Assess & Pract in ECE#	4
Educ 430	Language Development	3
		7
Senior Year		
1st Semester	r	
Educ 343	Content Area Lit: M.S. (WI)	3
Educ 470	Diag & Remdl Rdg	3
Educ 318	Meth & Materials ECE#	3
Educ 319	Prac Meth & Mat#	2
		2
Psy 310 Educ 322	Educational Psychology	3
Educ 322	Tchng Soc Studies	16
		10
2nd Semeste	A.F.	
		2
Educ 402	Foundations of Educ (WI)	
Educ 432	Critical Issues	2
Educ 442	Student Teaching Elem.	8
		12
	ntary Education/with	400
Early Chil	dhood Education	138
(Due no mulait -		
(Prerequisite	,	
[Department	Recommendations]	
*Candidate n	nust have speech evaluation	filed in
the Dean's o	ffice.	

\*\*This is a certification requirement and must be

taken by all teacher education candidates prior to

\*\*\*Meets the core requirements in Physical Edu-

#Courses specific to the Early Childhood Area of

Area of Emphasis - total semester hrs = 22

the Junior Block or concurrently.

cation.

# 3. Elementary Education/Special Education - Option 2

### Suggested Order of Study

### Bachelor of Science in Education Elementary Education/Special Education

Major Code 9009

Candidates who wish to certify in special education must certify in mild/moderate cross categorical disabilities and one of the following options:

Learning Disabilities K-12, Mental Handicaps K-12, Behavior Disorders K-12.

Beginning with the Junior Block, candidates may begin taking the required courses in special education. The first course in the sequence is Educ 324, Introduction to Special Education. This course introduces the certification options in special education offered at MSSC. This course must be taken before any of the methods courses in special education can be taken. The MSSC requirement is for all special education candidates to complete the cross-categorical methods course and one additional methods course in any of the three areas: mild/ moderate learning disabled, mild/moderate behavioral disordered, or mild/moderate mentally handicapped. An additional methods course in LD, MH, or BD, is required to provide the candidate with a depth of knowledge in a specific categorical area. The cross-categorical practicum satisfies the practicum requirement for both areas of certification, provided there is at least one student in the classroom with the targeted categorical eligibility.

Candidates student teach in cross-categorical disabilities and must meet all course requirements for that area, qualify for admission to student teaching, and then complete ten weeks student teaching in a cross-categorical classroom. That includes students in the additional category chosen.

Candidates who pursue these programs must carefully follow the suggested order of study for these categories.

Freshman	Year
----------	------

1st Semeste	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Comm 100 Oral Comm]*	3
Psy 120	College Orientation	1
		17

### 2nd Semester

Ziiu Seilleste	31	
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Hist 110 US1492-1877]	3
CORE	[PSC 120 Gov't: US/Sta/Loc]	3
Educ 301	Comp Software Clsrm**	3
CORE	[Humanities/Fine Arts (2A)]	3
		18

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

### Sophomore Year

1st Semeste	r	
Educ 200	Intro to Tchr Educ II	1
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	[Humanities/Fine Arts (2B)]	3
Psy 305	Child/Adolescent Dev	4

#### 2nd Semester

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20. candidate must retake the ACT.

18

1000 triair 20	, barrardate irrabi rotano tro ric	
Art 220	Art Education	2
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
CORE	[Humanities/Fine Arts (2C)]	3
Psy 310	Educational Psychology	2
Mus 332	Music for Elem School	2
		16

### Summer Semester - Sophomre

ounning o	o	
Eng 325	Children's Literature (WI)	3
Educ 302	Exceptional Child	2
		5

### Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

, ,		
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Kine 370	School Health Educ.***	3
Educ 324	Intro Spec Educ#	3
Educ 342	Dev Reading: Elementary	3
		4 -

### 172 / Teacher Education

2nd Semes	ter		Freshman	Year
Must be fully admitted to the Teacher			1st Semest	er
Education I	Program		Course	Н
Educ 311	Teaching Science Elem (Bio 101, & Phys 101)	3	CORE Psy 100	[Eng 101 Comp I] (WI) General Psychology
Educ 340	Language Arts	2	CORE	[Econ 180 Amer Econ]
Educ 312	Problems of Tchq Arith	3	CORE	[Hist 110 U.S. 1492-1877]
Educ 474	Ed-Psy Testing	3	CORE	[Comm 100 Oral Comm]*
Educ 410	Methods/Cross-Categorical#	# 3	Psy 120	College Orientation
		14	•	, and the second
Summer S	emester - Junior		2nd Semes	ter
Educ 348	Transition Services#	2	CORE	[Eng 102 (Eng 101)] (WI)
Educ 430	Lang. Development	3	CORE	[Hist 120 US1877-Present]
Educ 403 o	r 404 or 405# Methods in MR		CORE	[Math 119 Math Elem Tchr I]
	BD,or LD	3	CORE	[PSc 120 Govt:US,Sta,Loc]
		8	Educ 100	Intro to Tchr Educ I
			CORE	[Humanities/Fine Arts (2A)]
Senior Year				
1st Semest				
Educ 343	Content Area Lit: M.S. (WI)	3		tate certification requirements t
Educ 470	Diag & Remdl Reading	3		n all elementary supported field
Educ 322	Tchng Soc. Studies	3		either Music or Art Appreciation
Educ 420	Intro to Counseling	3		2A as one of the three Humani
Educ 446	Pract Cross-Categorical#	3	Fine Arts re	equirements, page 33.)
		15		
			Summer Se	
2nd Semes			CORE	[Bio 101 General Biology]
Educ 402	Foundations of Educ (WI)	2		
Educ 432	Critical Issues	2		
Educ 444	Student Teaching Sp. Ed.	8	Sophomor	
		12	1st Semest	
	entary Education/with		CORE	[Math 120 Math Elem II]
Special	Education	140	Educ 301	Comp Software Clsrm**
<b>(D</b>			Geog 211	Regions & Nations
(Prerequisit	es)		Psy 305	Child/Adolescent Dev
[Department Recommendations]			Educ 200	Intro to Tch Educ II
*Candidate	must have speech evaluation	field	CORE	[Humanities/Fine Arts (2B)]

\*Candidate must have speech evaluation field in the Dean's office.

\*\*This is a certification requirement and must be taken by all teacher education students prior to Junior Block or concurrently.

\*\*\*Meets the core requirements in Physical Edu-

#Courses specific to Special Education certification endorsement.

### 4. Elementary Education/TESOL - Option 2

### Suggested Order of Study

### **Bachelor of Science in Education Elementary Education/TESOL**

Candidates who wish to certify in TESOL (Teachers of English to Students of Other Languages) can add the course work to elementary, middle school, or secondary education programs. Please see your adviser for details. The following Suggested Order of Study is for the elementary education program only.

Freshman Y		
Course		Hours
CORE	[Eng 101 Comp I] (WI)	3
Psy 100	General Psychology	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Comm 100 Oral Comm]*	3
Psv 120	College Orientation	1
		16
2nd Semeste	er	
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Hist 120 US1877-Present]	3
CORE	[Math 119 Math Elem Tchr	1] 3
CORE	[PSc 120 Govt:US,Sta,Loc	] 3
Educ 100	Intro to Tchr Educ I	1
CORE	[Humanities/Fine Arts (2A)]	3
		16
-		
	te certification requirements	
	all elementary supported fie	
	ther Music or Art Appreciation A as one of the three Humar	
	quirements, page 33.)	illies a
Tille Alts req	direments, page 55.)	
Summer Ser	mester	
CORE	[Bio 101 General Biology]	4
	371	4
Sophomore	Year	
1st Semeste	r	
CORE	[Math 120 Math Elem II]	3
Educ 301	Comp Software Clsrm**	3
Geog 211	Regions & Nations	3
Psy 305	Child/Adolescent Dev	4

### 2nd Semester

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20 candidate must retake the ACT

1633 triari 20,	candidate must retake the AC		
CORE	[Humanities/Fine Arts (2C)]	3	
CORE	[Phys 101]	5	
Psy 310	Educational Psychology	2	
Kine 311	P.E. for Elem School***	2	
Mus 332	Music for Elem School	2	
Educ 302	Exceptional Child	2	
		16	

### **Junior Year**

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ

100, Eauc	200, Educ 301 and Educ 302)	
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Dev Reading: Elementary	3
Kine 370	School Health***	3
Eng 301	Modern Grammar	3
		17

	-		
2nd	Sen	nesi	e

Must be fully admitted to the Teacher Education Program

Educ 311	Science Elem School	3
Educ 312	Prob of Tch Arthm	3
Educ 340	Language Arts	2
Educ 343	Content Area Lit: M.S. (WI)	3
Educ 380	Theories/Eng 2nd Lang	3
Educ 480	Methods of TESOL	3
		17

#### Summer - Junior Year

Educ 381	Tchng Multicultural Soc	3
Educ 481	Mat Dev & Assess/TESOL	3
		6

### Senior Year

1st Semeste	er		
Educ 322	Tchng Soc Stud Elem		3
Educ 422	Content Area Lit: Sec.	(WI)	2
Educ 470	Dgnstc & Rmdl Rdng		3
Educ 482	Practicum/TESOL		3
Eng 325	Children's Literature		3
Art 220	Art Education		2
			16

#### 2nd Semester

3

Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issues	2
Educ 442	Student Teaching Elem.	8
		12

### **Total Elementary Education with TESOL137**

\*Candidate must have speech evaluation field in the Dean's office.

\*\*This is a certification requirement and must be taken by all teacher education students prior to Junior Block or concurrently.

\*\*\*Meets the core requirements in Physical Education.

### 5. Middle School Education

**Bachelor of Science in Education** Middle School Education

### Suggested Order of Study

Candidates will need to check with their advisers for additional courses that must be taken in each of two chosen areas of certification Language Arts, Social Science, Science, Industrial Technology, Business, Speech/Theatre, or Math.

#### Freehman Voar

i resimilan	1 Gai	
1st Semeste	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]***	3
Psy 120	College Orientation	1
CORE	[Comm 100 Oral Comm]*	3
CORE	[Kine 101 PE Activity]	1
		4.00

							I Out III	or Ladoution /	
2nd Semest	er		2nd Semes	ter			Junior Yea	r	
CORE	[Math 120 Math Elem II]	3	Educ 402	Foundations of Edu	c (WI)	2	1st Semeste	er	
CORE	[Eng 102 (Eng 101)] (WI)	3	Educ 413	Methods of Tchng I		2	Candidate i	must be tentatively admitted	to the
CORE	[Hist 110 U.S.1492-1877]	3	Educ 432	Critical Issues		2		ucation Program before cours	
					10	8		refix can be taken. (Exception	
Psy 100	General Psychology	3	Educ 452	Student Teaching M	1.5.				
CORE	[Bio 101 Gen Biology]	4				14		200, Educ 301, and Educ 302	
		16	Total Midd	le School	130-	153	Educ 329	Ped Theo Meth & Prac	4
							Educ 321	Microteaching	2
ummer - I	Freshman Year		(Prerequisit	es)			Educ 423	Classroom Management	2
Certification	Areas	4-8	Departmen	t Recommendations]			Follow depa	rtmental recommendations fo	r teach-
		4-8		must have speech ev	alustion t	filed	ing specialty	courses. If recommended by	y Junior
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st Semeste			**This is a	certification requiremen	nt and m	ust	racany, rece.		
		5	be taken by	all teacher education	candidat	tes	2nd Semest	ter	
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Educ 301	Comp Software Clsrm**	3	instead of E	con 180.			Psy 310	Educational Psychology	3
Educ 200	Intro to Tchr Educ II	1	+English m	ajors must take a seco	and litera	ture			
ORE	[Humanities/Fine Arts (2B)]	3	to fulfill Hur		a mora		Senior Yea	r	
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			++Speech/	Theatre majors must to	ake Th 1	10 to		rtmental recommendations fo	rteach-
and Carre			fulfill Huma	nities 2A.			,		
2nd Semest							during the	y courses. Apply for student to	acriiriy
	ailable C-Base Test. Apply for							econd week of the semester	
	eacher Education Program. If		6 6000	ondary Education	(9-12	)	Educ 422	Content Area Lit: Sec. (W	) 2
less than 20	, candidate must retake the A		o. Seco	muary Education	1 (3-12)	,	Psy 412	Measurement & Eval.	
CORE	[PSC 120 Govt:US,Sta,Loc]	3					OR		
Psy 305	Child/Adolescent Dev.	4					Educ 412	Mid School Curr	
CORE	[Humanities/Fine Arts (2C)]		Cu	ggested Order of a	Study		OR		
CORE	[Humanities/Fine Arts (2A)]-		Ju	ggodiou oruor or	Jung		Educ 420	Intro to Counseling	2-3
Certification		3-6						3	
Jeruncation							2nd Semest	ter	
		6-19	Bachelor	of Science in Educ	cation			Foundations of Educ (WI)	2
				y Education (9-12			Educ 402		2
	Sophomore Year		Coomai	,	,		Educ 432	Critical Issues	2
Certification	Areas	4-8	Cuanhana	Veer			Educ	Tchng Specialty	
		4-8	Freshman					Methods Course	2-3
			1st Semest				Educ 462	Student Teaching Sec	8
Junior Year	r			ching specialty depai					14-15
1st Semeste			mendations	for core courses and	teaching	spe-	(Prerequisit		
	must be tentatively admitted	to the	cialty cours					t Recommendations]	
	nust be teritatively admitted ucation Program before cours		Course		Н	ours		ertification requirement and	must
			Educ 100	Intro to Tchr Educ I		1		all teacher education candid	
	refix can be taken. (Exceptions		Psy 100	General Psychology		3			ales
	200, Educ 301 and Educ 30.		. 59 156	achierar r cychology			prior to Juni	or Block or concurrently.	
Educ 329	Ped Theory Methds & Prac		2nd Semes	tor					
Educ 321	Microteaching	2			dmant -	2000			
Educ 423	Classroom Management	2		ching specialty depar			7. K-12 E	Education	
Educ 342	Dev Reading: Elementary	3		for core courses and	teaching	spe-			
Certification		6-7	cialty cours	es.					
Jordinodion		7-18							
		7-10	Sophomor	e Year			Sug	ggested Order of Study	
2 - 1 0			1st Semest						
2nd Semest				ching specialty depai	tment re	ecom-			
	y admitted to the Teacher Ed	uca-		for core courses and			Pacheles	of Colones in Education	
tion Program	n				.oacming	, spe-		of Science in Education	
Educ 343	Content Area Lit: M.S. (WI)	3	cialty cours		11	4	K-12 Prog	ıram	
Educ 302	Exceptional Child	2	Educ 200	Intro to Tchr Educ	11	1			
Psy 310	Educational Psychology	2	Educ 302	Exceptional Child		2	Freshman	Year	
Internationa		3					1st Semeste		
Certification		4-8	Pass first a	vailable C-Base test.				hing specialty department reco	mmen-
Certification			Verify that	ACT score is 20. Have	e a 2.5 G	PA in		core courses and teaching s	
		4-18		g specialty area and a				core courses and teaching s	Decially
	1 1 11			Get faculty recomme			courses.		Live
	Junior Year			,			Course		Hours
Certification	Areas	2-8		ohy, and file admissi	on pape	13 101	Educ 100	Intro to Tchr Educ I	1
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Senior Year	r		2nd Semes				2nd Semes	ter	
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	Middle School Curr	2	mendations	for core courses and	teaching	g spe-		core courses and teaching s	
Educ 412			cialty cours					core courses and teaching s	Columy
Psy 412	Measurement & Eval	2	Educ 301	Comp Software Cls	rm**	3	courses.		
	Content Methods	5-6	Psy 301	Adolescent Develop		3			
Certification		7-8	1 3y 301	, tablesoont Develop					
	4	7-18							

17-18

### 174 / Teacher Education

### Sophomore Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 200 Intro to Tchr Educ II 1 Educ 302 Exceptional Child 2

Take first available C-Base test. Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

#### 2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 301	Comp Software Clsrm**	3
Psy 305	Child/Adolescent Dev	4

#### **Junior Year**

1st Semester

101 00111001		
Educ 321	Microteaching	2
Educ 329	Ped Theo Meth & Prac	4
Educ 423	Classroom Management	2

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

#### 2nd Semester

Follow departmental recommendations for teaching specialty courses.

Psy 310 Educational Psychology 3

### Senior Year

1st Semester

Follow departmental recommendations for teaching specialty courses. Apply for student teaching during the second week of the semester.

Content Area Lit: Sec (WI)

Psy 412 OR	Measurement & Eval.	
Educ 412 OR	Mid Sch Org-Phl-Cur	
Educ 420	Intro to Counseling	2-3
2nd Semest	er	
Educ 402	Foundations of Educ WI	2
Educ 432	Critical Issues	2
Educ	Tchng Specialty	
	Methods Course+	2-3
Educ 464	Student Teaching K-12	8

### (Prerequisites)

[Department Recommendations]

\*\*This is a certification requirement and must be taken by all teacher education candidates prior to Junior Block or concurrently.

+Some teaching specialty methods courses are only offered in the spring semester.

For additional information contact: Teacher Education Department

Office: Taylor Hall 237 Phone: 417.625.9309 FAX: 417.659.4387

### Course Descriptions

Educ 010 (F,S)

2 hrs. cr.

Academic Skills for College Success

Designed to improve and enhance reading skills. Vocabulary, comprehension, and flexibility for rate are addressed in addition to the introduction of learning strategies involved in the successful transition from high school to college level of study. Provides opportunities for improving reading and study skills as well as for developing reading enrichment.

### Educ 100 (F,S) 1 hr. cr.

Introduction to Teacher Education I

An orientation to teacher education required for freshmen who select elementary or secondary education as their major field. Intended to help clarify decisions about education as a major and career choice. Concepts covered include: teaching as a career, teacher preparation, employment prospects, educational funding, and technology in education.

Educ 105 (F,S)

1 hr. cr.

**Speed Reading** 

Designed specifically to increase reading speed. Not recommended for students with comprehension problems.

Educ 200 (F,S)

1 hr. cr.

Introducation to Teacher Education II

An extension of Educ 100. Classroom experiences emphasized as well as the conditions for teaching. A 15 clock hour, field-based component is included.

Educ 301 (F,S,Demand)

3 hrs. cr.

### Use of Computer Software in the Classroom

Study designed to provide the prospective teacher with a basic understanding of microcomputer hardware, software, and related technologies with special emphasis upon use of this technology in the accomplishment of teacher-oriented tasks. Prerequisite: Must be taken prior to or concurrently with the Junior Block or concurrently. Required of all education majors.

### Educ 302 (F,S, Demand)

14-15

2 hrs. cr.

The Exceptional Child

A series of awareness experiences dealing with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 100

### Educ 311 (F,S, Demand)

3 hrs. cr.

### Science in the Elementary and Middle School

Designed to help students (1) comprehend the basic notion of science and how children go about learning science, (2) develop materials suitable for demonstration, discovery, and inquiry lessons and (3) develop the instructional skills necessary to achieve the first two goals. Prerequisites: Courses in biological and physical sciences and completion of Junior Block.

Educ 312 (F,S, Demand)

3 hrs. cr.

# Problems of Teaching Arithmetic in Elementary Schools

(See Math 312)

Application of principles of learning and techniques of presentation. Techniques for diagnosis and remediation are treated as they relate to the elementary classroom. Prerequisite: Math 119 and completion of Junior Block.

Educ 316 (F,S)

2 hrs. cr.

# Foundations, Issues, and Trends in Early Childhood Education

A survey course designed to acquaint the prospective teacher of young children with the historical, philosophical, psychological, and social foundations of early childhood education. In addition, designed to present current issues and trends associated with early childhood programming and consequent role expectations of prospective teachers. Prerequisite: Must be taken concurrently with the junior block courses.

Educ 317 (F,S)

3 hrs. cr.

### Curriculum in Early Childhood Education

Curriculm development in early childhood education, with special emphasis on various program models and curriculum designs currently used at the early childhood level; the formulation of developmentally appropriate goals for and curriculum content of educational programs for young children; and models of classroom management in early childhood education. Prerequisite: Educ 316.

Educ 318 (F,S)

3 hrs. cr.

Early Childhood Methods and Materials

Background in teaching strategies and materials for the young child. Fundamentals of designing developmentally appropriate small group, large group, and individual learning experiences for young children; and appropriate teaching methods and materials at the early childhood level. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 319.

Educ 319 (F,S)

2 hrs. cr.

### Practicum I in Early Childhood Education

Supervised participation in teaching on the early childhood level in the MSSC Child Development Center for a minimum of 64 clock hours. Students will design and implement small group, large group, and individual learning experiences, develop appropriate materials for children's use, and practice appropriate teaching strategies for young children. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 318.

Educ 321 (F,S)

2 hrs. cr.

Microteaching

A required part of Education 329. Short teaching episodes are prepared, taught and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline. Must be taken concurrently with Educ 329 and Educ 423.

Educ 322 (F,S, Demand)

3 hrs. cr.

**Teaching Social Studies in** Elementary and Middle School

An introduction to the instructional materials and methods of teaching social studies in the elementary school.

Educ 323 (S)

3 hrs. cr.

**Utilizing Family and Community** Resources for the Young Child

Acquaints the prospective teacher of young children with the needs and concerns of families rearing young children, methods of involving parents in the education of their children, and knowledge of community resources for families with young children.

Educ 324 (F.S)

3 hrs. cr.

Introduction to Special Education

Introduction to the five areas of mild/moderate disabilities: learning disabled, mentally handicapped, behavior disordered, physically disabled, and other health impaired. Provides the basis of understanding necessary to learn and apply the methodologies needed for each of these areas of exceptionalities. (Must be taken concurrently with the junior block courses.) Prerequisites: Educ 302, Psy 100 and Psy 305.

Educ 329 (F,S)

4 hrs. cr.

Pedagogical Theory, Methods, and Practices

Examines the theoretical basis for the decision making model of the teacher education program. Provides the methodological basis for making pedagogical decisions concerning lesson design, identification of learning styles, and assessment techniques. Microteaching provides an opportunity to practice methods and techniques for teaching. Thirty-two hours of junior internship in the elementary, middle, and secondary school classroom provides an opportunity to refine theory into practical applications. Must be taken concurrently with Educ 321 and Educ 423. Any off campus offerings require instructors permission.

Educ 330 (F)

Industrial Technology Methods

This is a required teacher education course, which is an introduction to the instructional planning, materials, philosophy, rationale, and methods of teaching Industrial Technology. It is a part of the professional semester. Prerequisite(s): Advanced standing in major field: admission to teacher education program. (Junior Block)

Educ 332 (S)

2 hrs. cr.

Teaching English and Language Arts in Secondary School

Provides an introduction to the instructional materials and methods of teaching English and language arts in the Secondary School. Part of the Professional Semester. Prerequisite: Junior Block

Educ 333 (S)

3 hrs. cr.

Teaching Science in Secondary School An introduction to the instructional materials and methods of teaching science. Part of the Professional Semester. Prerequisite: Junior Block

Educ 334 (S)

2 hrs. cr.

**Teaching Social Science in** Secondary School

This is a required education course which is an introduction to the instructional planning, materials, philosophy, rationale, and methods of teaching Social Studies. Part of the professional semester. Prerequisite: Junior Block

Educ 335 (S)

2 hrs. cr.

Teaching Music in Secondary School

An introduction to the instructional planning, materials, and methods of teaching music. Part of the Professional Semester. Prerequisite: Junior Block

Educ 336 (S)

2 hrs. cr.

Teaching Business in Secondary School An introduction to the instructional planning, materials, and methods of teaching business. Part of the Professional Semester. Prerequisite: Junior Block

Educ 337 (F,S)

2 hrs. cr.

Teaching Art in Secondary School

An introduction to the instructional planning, materials, and methods of teaching art. Part of the Professional Semester. Prerequisite: Junior Block

Educ 338 (F,S)

2 hrs. cr.

Teaching Physical Education in Secondary School

An introduction to the instructional planning, materials, and methods of teaching physical education. Part of the Professional Semester. Prereguisite: Junior Block

Educ 339 (S)

3 hrs. cr.

**Teaching Mathematics in** Secondary School

An introduction to the instructional planning, materials, and methods of teaching mathematics. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics. Prerequisite: Junior Block

Educ 340 (F,S, Demand)

2 hrs. cr.

Language Arts

A foundations course for the development of understanding the attitudes necessary to teach written and oral communication at the elementary and middle school level.

Educ 342 (F,S, Demand)

3 hrs. cr.

**Developmental Reading: Elementary** 

Explore, study, and apply a variety of reading strategies that provide understanding of effective, current text-based and experience-based teaching practices; review and compile information from journals/literature which includes research, ideas, trends, methods, and experiences relevant to developmental reading; evaluate various reading approaches and programs; construct reading enrichment materials; and develop an attitude that will positively affect the selfconcept of children with diverse learning styles, abilities, backgrounds, and attitudes as they learn to read. (Should be taken with junior block.)

Educ 343 (F.S. Demand)

3 hrs. cr.

Content Area Literacy:

Middle School (Writing Intensive)

Expand and extend the knowledge base acquired from Introduction to Developmental Reading; explore, study, apply, and assimilate new learning about effective reading/study-skill strategies appropriate to the development and needs of the middle-school population; design and construct enrichment materials to enhance reading in the content areas; develop knowledge on assessing middle-school students' needs, plan instruction based on those needs, and select appropriate and effective reading/study-skills instruction strategies; and focus on the importance of recreational reading as a lifetime habit. Prerequisite: Educ 342 (Can be taken concurrently with Educ 470.)

Educ 344 (S)

2 hrs. cr.

**Teaching Speech and Theatre** in Secondary School

Techniques, methods, and course content used in teaching speech and theatre. Part of the Professional Semester. Prerequisite: Junior Block

Educ 345 (S)

Teaching Foreign Language in PK-12

An introduction to the instructional materials and the methodology used in the teaching of foreign languages in PK-12. Part of the Professional Semester. Prerequisite: Junior Block

Educ 348 (F,S)

2 hrs. cr.

**Transition Services** 

A coordinated set of activities for a student designed within an outcome-oriented process that promotes movement from school to post-school activities, including post-secondary education, vocational training, integrated employment, continuing and adult education, adult services, independent living, or community participation. Study of coordinated activities, including instruction, community experiences, employment, and other post school adult living objectives. Prerequisite: Educ 324.

### 176 / Teacher Education

Educ 380 (S)

3 hrs. cr.

### Theories of Teaching English as a Second Language

Basic theories of how non-English speaking people acquire English. Includes working with non-English speaking students, description of personal theory, and methods of teaching. (May be taken concurrently with or after Junior Block.)

Educ 381 (Summer)

3 hrs. cr.

### Teaching in a Multicultural Society

The foundations of multicultural education along with approaches to multicultural education and teaching strategies applicable to all ages, grades, and subjects. Prerequisite: Junior Block

Educ 402 (F,S, Demand)

2 hrs. cr.

### Foundations of

Education (Writing Intensive)
Historical, philosophical, and sociological aspects of education. Emphasis upon the development of American education from the Colonial period and acquision of knowledge of educational belief systems. Part of the Professional Semester.

Educ 403 (Demand)

3 hrs. cr.

### Methods of Teaching the Mentally Handicapped

Designed to help the prospective or in-service teacher understand mental retardation and learn to work effectively with retarded learners. Includes appropriate curriculum, individualized program development, and teaching strategies. Prerequisite: Educ 302 and Educ 324.

Educ 404 (Demand)

3 hrs. cr.

# Methods of Teaching Children with Learning Disabilities

Designed for the prospective or in-service teacher of learning disabled students. Diagnosis, evaluation, programming, instructional approaches, instructional strategies, and materials appropriate for use with learning disabled students. Prerequisite: Educ 302 and Educ 324.

Educ 405 (Demand)

3 hrs. c

### Methods of Teaching Children with Behavioral Disorders

Establishes a teaching rationale utilizing an individualized teaching strategy which enables the emotionally disturbed learner to profit more fully from school experiences. Prerequisite: Educ 302 and Educ 324.

Educ 408 (F, Demand)

4 hrs. cr.

### Assessment & Practicum in Early Childhood

An in-depth study of systematic observation, testing tools, and screening instruments. With supervised administration, scoring and interpretation of these assessments in early childhood education. In addition to 2 hrs. of lecture per week, students will be assigned to an early childhood setting for 4 clock-hours a week to utilize systematic informal observational techniques which will culminate in a written case study report. Prerequisite: Educ 316.

Educ 410 (F,S)

3 hrs. cr.

### Teaching in the Mild/Moderate: Cross-Categorical Classroom: K-12

A methods course designed to give students numerous examples of curricular and instructional methodologies in the teaching of elementary and secondary mildly handicapped children in a cross-categorical classroom. Methodologies for students with learning disabilities, mental handicaps, behavior disorders, physical disabilities, and other health impairments are discussed.

Educ 412 (F,S,Demand)

2 hrs. cr.

### Middle School and Junior High Philosophy, Organization and Curriculum

Effective teaching and learning strategies for the Middle School and Junior High students, including comprehension of the developmental and academic needs of students. Designed for Education majors seeking middle school certification (Grades 5-9) and for others interested in curriculum and instruction.

Educ 413 (F)

2 hrs. cr.

# Methods of Teaching Students in the Middle Grades

Exploration of middle school developmentally appropriate instructional planning, materials, evaluation, and reporting of pupil progress. Student communication and personal development are stressed through exploratory programs and the balance of teaching and learning styles. Inquiry, problem solving, and discovery methods used to show the importance of content knowledge and its application to decision making. Emphasis on the importance of interdisciplinary units of instruction to acculturate students. Prerequisite: Educ 412 or may be taken concurrently.

Educ 420 (F)

3 hrs. cr.

### Introduction to

Counseling (Writing Intensive)
Survey course exploring the role and function of
counseling, including philosophies, theories, techniques, legal and ethical issues, assessment, and
research. Designed as an overview for the classroom teacher, the reading specialist, and the special educator for use with students and parents.

Educ 422 (F,S, Demand)

2 hrs. cr.

### Content Area Literacy:

Secondary (Writing Intensive)

Secondary education majors explore, study, and apply a variety of research-based and class-room-tested teaching/learning strategies designed to enhance and extend teaching in their content areas; develop and design materials that integrate reading into their content areas; identify and modify critical thinking strategies relevant to their content areas; compile and understand effective reading/study skills components appropriate for secondary students; compose their philosophy of reading; and review assessment techniques relevant to reading in the secondary school. Can be taken concurrently with Junior Block

Educ 423 (F. S)

2 hrs c

### **Classroom Management**

Classroom Management introduces concepts, skills, and models for developing a personalized three-dimensional approach to behavior and classroom management. How to prevent discipline problems, what to do when problems occur, and what to do to decrease the possibility of problems recurring. Must be taken concurrently with Educ 329 and Educ 321.

Educ 430 (F, S, Demand)

3 hrs. cr.

### Language Development of Exceptional Children

Required for certification in special education and recommended for teachers of students focusing on early childhood education. Basic structures of language, normal sequence of language acquisition, and characteristics of language disabilities. Strategies suggested for both assessing and remediating language delays or disorders.

Educ 432 (F, S, Demand)

2 hrs. cr.

### **Critical Issues in Education**

Exploration of current problems with special regard to legal and professional roles of school personnel, their relationships to federal and state governments and local school districts; certification, salary schedules, retirement, and other benefits, professional organizations for teachers, and relationship with administration, pupils, parents, and the community. Part of Professional Semester.

Educ 444 (F, S)

8 hrs. cr.

### **Student Teaching-Special Education**

Supervised teaching in a special education setting in an assigned off-campus site. Course assignments consist of 50 full teaching days (10 weeks) and require the students to demonstrate their ability to be entry-level effective decision making teachers. Arrangements for placement are to be made in the semester preceding the actual student teaching block The student will be required to divide the 10 week experience into two segments — elementary and secondary. Assignment to the sites is determined by the special education practicum assignment. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 446 (F, S, Demand)

3 hrs. cr

### **Practicum in Special Education**

Clinical experience in special education settings with students who have mild/moderate disabilities. This experience will occur in one of the following classroom settings: cross-categorical, learning disabled, mentally handicapped, or behavior disordered. Includes both time in special education classes and on-campus seminar sessions. Prerequisites: Educ 324 and 3 credit hours of special education methods.

Educ 452 (F, S)

8 hrs. cr.

### Student Teaching-Middle School

Supervised teaching on the middle school level in an assigned off-campus school site. The middle school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 462 (F, S) 8 hrs. cr. Student Teaching-Secondary

Supervised teaching on the secondary level in an assigned off-campus school site. The secondary school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placements are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.

Educ 464 (F, S) 8 hrs. cr. Student Teaching - (K-12)

Supervised teaching on the secondary and elementary levels in assigned off-campus school sites. The PK-12 teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. The student will be required to divide the 10 week period into two segments: Five weeks at the elementary level and five weeks at the secondary level. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 470 (F, S, Demand) 3 hrs. cr. **Diagnostic and Remedial Reading** 

Prepares the beginning remedial reading teacher and the regular classroom teacher to deal with remedial reading problems. Emphasis on diagnosis of problems more clinical in nature with techniques, materials, and management being stressed. Prerequisites: Educ 342, may be taken concurrently with Educ 343.

Educ 471 (Demand)

3 hrs. cr.

Practicum in Diagnosis of Reading Difficulties

Practice of administering, interpreting, and reporting diagnostic test results of reading difficulties. Prerequisites: Educ 342 or Educ 422, Educ 343, Educ 470, and Educ 474.

Educ 474 (F, Summer)

3 hrs. cr.

3 hrs. cr.

# Educational-Psychological Testing in Special Education

Comprehensive study of the various psychoeducational assessment techniques for diagnosis of learning problems of exceptional children, including educational, intelligence, and psychomotor. Emphasis on translating assessment data to remedial programs. Prerequisites: Educ 302 and Psy 310.

Educ 480 (S) 3 hrs. cr. Methods and Techniques for TESOL

Introduces techniques for teaching ESOL. Includes work with ESOL students, class observations, and hands-on experience with a variety of materials. (May be taken concurrently with or after Junior Block.)

Educ 481 (Summer)

# Material Development and Assessment for TESOL

Analysis and preparation of materials for teaching ESOL and the basics of test development for ESOL. Prerequisite: Junior Block.

Educ 482 (F)

3 hrs. cr.

### Practicum for Teaching English to Speakers of Other Languages

Supervised practical classroom experience in teaching ESOL. Prerequisites: Educ 380, Educ 381, Educ 480, and Educ 481 and Junior Block.

Educ 483 (Demand)

2 hrs. cr.

### Comparative Education and Cultures

One credit hour of course work will be completed on campus prior to and following the field experience. Class lectures will focus on the culture and educational systems of designated countries as they relate to the development of the American education system, and current educational trends in the various applicable cultures. One additional credit hour of the course will be gained from the field experience component. Travel in cultures studied will include visits in schools with interviews arranged to meet the certification profile of class participants.

Educ 498 (Demand)

1-3 hrs. cr.

### Seminar in Problems of Education

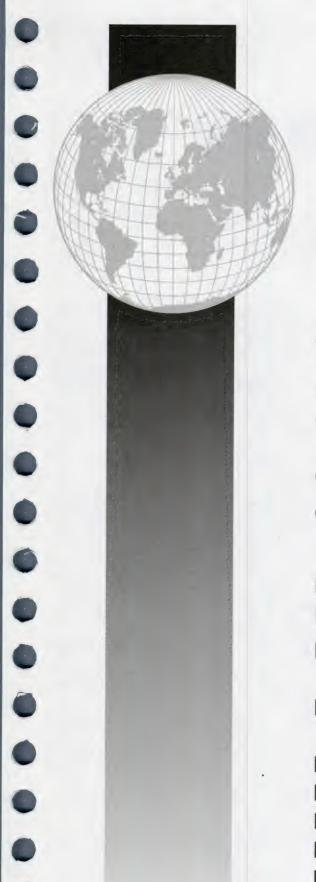
A weekly seminar for upper division majors. Credit hours determined by the department each semester. Covers specialized knowledge and/or current research in the discipline. Topics vary by semester and situation. Prerequisites: Advanced standing and consent of department head.

Educ 499 (Demand)

1-3 hrs. cr.

#### Independent Study

Structured by the adviser with approval of department head. Prerequisites: Advanced standing in the major field and approval of adviser and department head.



# School of Technology

Aviation

Computer Aided Drafting & Design (CADD)

Design Engineering Technology

Computer Assisted

Manufacturing Technology (CAMT)

Computer Information Science

Criminal Justice

Corrections

Juvenile Justice

Dental Hygiene

Industrial Technology Education

Law Enforcement

Missouri Peace Officer Certification

Manufacturing Information

Management Systems (MIMS)

Medical Technology

Nursing

Paramedic

Pre-Engineering

Preprofessional

Radiologic Technology

**Respiratory Therapy** 

# **School of Technology**

### School Dean

Dr. Tia M. Strait Justice Center 126, 417.625.3155

### **Degrees and Majors Bachelor of Science**

Computer Information Science

- Information Systems
- Computer Science
- Computational Mathematics
- Information Technology
- Computer Technology

Criminal Justice

Industrial Technology Education

Manufacturing Information Manage-

ment Systems

Medical Technology Nursing

#### **Associate of Science**

Computer Aided Drafting and Design **Engineering Technology** 

Computer Aided Drafting and Design Computer Graphics Design

Computer Assisted Manufacturing Technology

Computer Information Science

- Network System Administration
- Information Systems
- •Website Administration

Dental Hygiene

Law Enforcement

Pre-Engineering

Radiologic Technology

Respiratory Therapy

#### Associate of Arts (Preprofessional)

Paramedic

Prepharmacy

### Certificate (one year)

Manufacturing Applications

### Certificate (less than 30 hours)

**Emergency Medical Technician** Emergency Medical Technician -

Paramedic

Network System Administration Missouri Peace Officer Training

### **Certificate of Competency**

Computer Aided Drafting and Design Operator

**CNC** Operator

Reverse Engineering Technician

Quality Technician

#### **Options and Emphases**

Advanced Level Respiratory Therapy (after completion Respiratory Therapy Associate of Science Degree)

Aviation

Land Surveyor in Training

#### **Minors**

Computer Information Systems Computer Science Criminal Justice Administration Corrections and/or Juvenile Network Systems Administration Website Administration

### Role

The School of Technology is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under, the leadership of professional educators who also have the advantage of actual work experience in business, industry, health care and government. Instruction is further enhanced by the utilization of qualified individuals from business and professionals in the community as guest lecturers and part-time instructors.

Courses offered by individual departments within the School of Technology are specifically career oriented toward a specialized field. The faculty in these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities and natural sciences, as well as courses to refine a student's ability to read, write, speak and think are a required part of each departments curriculum. As a result, the students majoring in the various curricula in the School of Technology are an integral part of the entire student body.

All courses offered in the School of Technology are designed to provide students with the experience, skills or expertise that enable them to enter their employment field and meet requirements imposed by any certifying and licensing examination that may be required.

The School of Technology also recognizes that in many respects the community is also a classroom. Therefore, a number of curricula include courses that are offered by other educational agencies. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular college instructional personnel.

The School of Technology offers curricula leading to a Bachelor of Science, Associate of Science, and Associate of Arts degrees and one-year certificates. Programs of shorter duration required for licensure or certification also are offered, often in conjunction with the Division of Continuing Education. Numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry and public services.

All departments work closely with advisory boards composed of professionals from area business, industry, government and health care. The advisory board assists the faculty of the various departments in maintaining relevancy of curriculum content and identifying special needs that can be addressed through continuing education programs.

#### Goals

The goals of the School of Technology are:

- 1. To provide opportunities for students to prepare for a broad range of established and emerging careers;
- 2. To maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society and become a contributing member of their society;
- 3. To provide programs in the most cost effective method possible, that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
- 4. To provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;

### Aviation, Design Manufacturing Information Technologies, CADD / 181

- To provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
- To provide a variety of supportive functions that serve a variety of area needs;
- To offer quality programs and in areas where required, maintain program content necessary for special accreditation;
- To offer a variety of continuing education programs to meet special needs and demands;
- To encourage faculty to provide consultation services and otherwise serve as resources for the area;
- To advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
- To assist faculty to meet and maintain eligibility for special certification required in numerous programs.

### **Aviation**

Justice Center, 417.625.9328

The Aviation Program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri.

For additional information contact:

Dr. Tia M. Strait

Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

### **Course Descriptions**

Av 200

5 hrs. cr.

### **Basic Pilot Training**

An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. Special fees and a third class medical certificate are required. Special fees for this course include plane rental and examiners test fee. Course grade is recorded as Pass or Fail.

### Design Manufacturing Information Technologies

Ummel Technology Building 112-B, 417.625.9757 or 417.625.9328

**Faculty** Bartholet, Duggal, Howe, Schultz, Scorse

The department offers programs, which prepare students for manufacturing and design related floor level industrial positions. The programs offered are:

Associate of Science in Computer Aided Drafting and Design Engineering Technology

Associate of Science in Computer Aided Drafting and Design Computer Graphics Design

Associate of Science in Computer
Assisted Manufacturing Technology
Bachelor of Science in Industrial

Technology Education

Bachelor of Science in Manufacturing Information Management Systems

One Year Certificate in Manufacturing Applications

Certificates of Competency

- CADD Operator
- CNC Operator
- Reverse Engineering Technician
- · Quality Technician

### Computer Aided Drafting & Design Engineering Technology (CADD)

Ummel Technology Building 153, 417.625.9305

Faculty Duggal-Head, Bartholet, Scorse

Computer Aided Drafting and Design Engineering Technology curriculum leads to an associate of science degree in CADDET. The curriculum prepares individuals to enter employment as drafters/designers in the fields of manufacturing, civil, architecture, or construction.

The requirements for the associate of science degree in CADDET provide a broad base of analytical, technical and Core Curriculum courses. Computer Aided Drafting and Design hardware and software are used to enhance traditional instruction methods in all courses. Built into the curriculum is an emphasis on both on the study and application of engineering design technology. The documents and drawings produced by the CADDET graduate would be based upon sketches, specifications, and calculations made by scientists, engineers, architects, and designers. Material specification is an essential part of the CADDET program of study.

The department also functions as an internationally recognized authorized training center for AUTODESK software. This allows each student to be exposed to the latest CAD technology and the application of international standard systems such as A.N.S.I. and I.S.O.

Professional faculty maintain close ties with area industries to assure that high quality and currently used technology is taught.

Accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: 410.347.7700

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### **Baccalaureate Options**

Students who complete the A.S. degree in CADDET may continue their education by pursuing a baccalaureate degree in the following areas:

- Manufacturing Information Management Systems (MIMS)
- Computer Information Science
- Management Technology
- Industrial Technical Education

### Associate of Science Degree Major Code 5303 Computer Aided Drafting and

Computer Aided Drafting and Design Engineering Technology Major

Major		
	Semester	Hours
Core Requi	rements (p. 34)	24
CADD Requ	uirements	50
CADD 110	Engineering Graphics I	3
CADD 115	Intro to 3D Computer	
	Aided Drafting	3
<b>CADD 120</b>	Descriptive Geometry	
<b>CADD 130</b>	Engineering Graphics I	1 3
CADD 204	Industrial Statics and	
	Strength of Material	
<b>CADD 210</b>	Technical Illustration**	3
CADD 220	Architectural Drafting	3
<b>CADD 230</b>	Elementary Surveying	3
CADD 260	Engineering Graphics I	II 3
CAMT 100	Intro to Machine Tool	
	Processes	3
CAMT 150	Materials & Processes	3
Phys	Elem. Phys 151	5
Phys	Elem. Phys 152	4
CORE	Math 140 Algebra/Trig	5

<sup>\*\*</sup>Offered only in the summer.

Math 302 Applied Calculus

### Suggested Order of Study

### **Associate of Science Degree** Major Code 5303

Computer Aided Drafting and Design Engineering Technology Major

### Freshman Year

1st Semeste	er	
Course		Hours
<b>CADD 110</b>	Engineering Graphics I	3
CAMT 100	Intro Mach Tool Processe	s 3
<b>CAMT 150</b>	Materials & Processes	3
CORE	[Math 30 or higher]	3
CORE	[Psy 120 College Orient]	1
CORE	[Humanities/Fine Arts]	3
		16

2nd Semester				
<b>CADD 115</b>	Intro to 3D Computer			
	Aided Drafting	3		
Math 140	Trigonometry	5		
Phys 151	Elem. Phys	5		
CORE	[Eng 101 Comp I]	3		
CORE	[Oral Comm]	3		
		19		

Summer		
<b>CADD 210</b>	Technical Illustration	3
CORE	[Kine 103 Lifetime Wellness]	2
		5

### Sophomore Year

1st Semester		
<b>CADD 120</b>	Descriptive Geometry	3
<b>CADD 130</b>	Engineering Graphics II	3
CADD 204	Statics/Strength of Materials	3
Math 302	Applied Calculus	3
CORE	[Hist 110/120 U.S. History]	3
CORE	[Econ 201 Economics-Macro]	]3
		18

2nd Semeste	er	
CADD 220	Architectural Drafting	3
<b>CADD 230</b>	Elementary Surveying	3
CADD 260	Engineering Graphics III	3
Phys 152	Elem. Phys	4
CORE	[Kine 101-Phys Activity]	1
* MO Const.	Test or PSc 120	3
		14-17

[Department Recommendation]

For additional information contact:

Dr. J. S. Duggal

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Office: Ummel Technology Building 153 Phone: 417.625.9305 or 417.625.9757 E-mail: duggal-j@mail.mssc.edu

### **Course Descriptions**

CADD 110 (F, S) 3 hrs. cr. Engineering Graphics I

Preparation of drawings by using state-of-the-art CADD. Spreadsheet, word-processing are incorporated along with geometric construction, lettering, orthographic projection, dimensioning, sections, pictorial drawing, graphs, and diagrams. One hr. lecture, 4 hrs. lab per week. Corequisite: Math 30.

# CADD 115 (S) 3 hrs. cr. Introduction to 3D Computer Aided Drafting

Computer aided drafting and the design of basic 3D wireframe and 3D models. Individuals who have a background in CADD should take the course for personal or professional improvement. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 & Math 30.

CADD 120 (F)

Descriptive Geometry
Practical applications of advanced projection techniques to problems in civil, structural, mechanical and architectural engineering. Manual and computer assisted projects on methods are introduced. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 115, Math 140 and Phys 151.

3 hrs. cr.

3 hrs. cr.

CADD 130 (F)
Engineering Graphics II

Detail and assembly drawings of machines and machine elements. Survey of the use of machine tools, processes and materials in the design and fabrication of machine parts. The use of 3D and parametric design software enhance the industrial applications within this course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 115, Math 140, and Phys 151.

CADD 204 (F) 3 hrs. cr. Industrial Statics and

Strength of Material
Introductory survey of selected topics of statics and strength of materials, with emphasis on equilibrium friction, summation of forces and moments. The strength of materials will concentrate on simple stress and strain, basic beam relationships and torsional load carrying members. Two hrs. lecture, 3 hrs. lab per week. Prerequisites: CADD 115, Math 140, Phys 151.

CADD 210 (S,S) 3 hrs. cr.

Technical Illustration
Pictorial drawing with an e

Pictorial drawing with an emphasis on mechanical and architectural applications. Major topics include mechanical illustrations, exploded views and perspectives drawn with a computer aided drafting system. Drawings will involve 2D and 3D illustration, lettering styles and computer generated rendering and animation. One hr. lecture, 4 hrs. lab per week. Prerequisite CADD 115, Math 140, Phys 151.

CADD 220 (S) 3 hrs. cr.

**Architectural Drafting** 

Principles of architectural design, preparing sets of working drawings, building details and use of modern construction materials for residential building. Manual and computer aided design techniques used throughout the course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110, Math 140 and Phys 151.

CADD 230 (S)
Elementary Surveying

3 hrs. cr.

Use and care of surveying instruments, fundamental surveying methods, traverse measurements, area computations, precise equipment and topographic mapping. 1 hour lecture-problems, 4 hour laboratories. Required background or experience: Math 140, CADD 115, Phys 151.

CADD 231 (S,S)

3 hrs. cr.

**Advanced Surveying** 

Precise equipment, astronomical observations. Theory of hydrographic, geodetic and control surveys. City and land surveys. Route location

Semester Hours

and layout. Simple, transition and vertical curves. Earthwork computation. Introduction to electronic and photogrammetric methods. 1 hour lecture-problems, 4 hour laboratories. Required background or experience: Prerequisite: CADD 230, Elementary Surveying.

CADD 232 (F) 3 hrs. cr.

**Surveying Computations** 

Introduction to the theory of measurements in surveying. Error propaation in horizontal and vertical position. The analysis of surveying measurement error. Error propogation in rectangular coordinate systems. Introduction to the techniques of compass rule adjustment and least squares for the adjustment of surveying data. Least squares adjustment of triangulation, trilateration and traverse network. Least squares adjustment of level networks. The use of surveying software will be utilized. Three one-hour lectures. Required background or experience: Prerequisite: Math 140

CADD 233 (F) 3 hrs. cr. **Boundary Control and Legal Principles** Boundary retracement principles based on common laws. Emphasis on simultaneous conveyances, rancho lands, resurvey problems, and legal descriptions. Three one-hour lectures. Required background or experience: CADD 230.

CADD 234 (S,S) 3 hrs. cr. Land and Survey Descriptions

History of land ownership and transfer of title; types of document of land conveyance; forms of legal descriptions of public and private lands; the bureau of land management; interpretation of maps and documents for the physical survey location of land boundaries; principles of writing precise land boundary descriptions; study of easements; value of monuments rectangular surveys; monumentation, restoration of lost corners, subdivision of sections, special surveys, plats and patents, meander lines, and riparian rights. Three one hour lecture-problem sessions per week. Required background or experience. Pre-requisite CADD 230.

CADD 260 (S) 3 hrs. cr.

**Engineering Graphics III** 

Topics not covered in lower CADDET courses, including Vector Graphics and CADD Applications pertaining to Descriptive Geometry. Geometric Dimensioning and Tolerancing and working drawings and CAM Design will be reemphasized. Engineering design and problem solving will be an essential aspect of this course. Special topics in CADDET. Finite elements will be introduced. Drafting facility management concepts will also be covered. Three hours lecture per week, open labs as required. Prerequisites: CADD 120, 130, 204, Math 140, Math 302, Phys 151.

CADD 298 (Demand) 1-8 hrs. cr. Special Topics Draft/Design

**Engineering Technology** 

A special topic or topics not normally included in another drafting/design course. Prerequisites determined by the department and stipulated in a course syllabus.

CADD 330 (Demand)

Computer Machine Design **Engineering Technology** 

Principles, theory and applications of machine design utilizing the CAD workstation. Special emphasis on solid modeling FEM and design analysis. Three hrs. lecture labs are arranged. Prerequisite: CADD 115, Math 140 or above.

3 hrs. cr.

CADD 490 (Demand) 1-8 hrs. cr. Internship in Drafting and **Design Engineering Technology** 

A structured work experience in drafting/design at an institution, facility or industry not directly related to Missouri Southern. The work experience will be a practical application of the students major field of study under the direct supervision of an on-site professional who is not a Southern faculty or staff member. The on-site professionals will supervise the students activity in the field. A faculty member will be responsible for approving the placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CADD.

CADD 498 (Demand) 1-3 hrs. cr. Seminar in Drafting & Design **Engineering Technology** 

Specialized knowledge and skills related to new developments in drafting and design. Topics will vary by the semester and situation. Prerequisite: An associate degree in drafting & design or senior standing in management-technology or industrial technology.

CADD 499 (Demand) 1-3 hrs. cr.

Independent Study in Drafting & **Design Engineering Technology** 

Individually directed reading, research and discussions in selected areas of drafting and design for advanced majors. Scope, depth, area of concentration and credit hours will be arranged when registering for the course. Offered by arrangement. Prerequisite: 15 hrs. of CADD with a 3.0 GPA and permission of instructor, department head and school dean.

**Computer Aided Drafting & Design** Computer Graphics Design (Option)

Ummel Technology Building 112, 417.625.9567

Faculty Bartholet, Duggal, Schultz, Scorse

This program is a blend between technical computer animation and art. The perspective graduate will develop skills in 2D and 3D animation coupled with color theory, material applications, and other art relevant principles. Individuals working in this area

can become involved with filmmaking, video game development, accident reconstruction, and multimedia. Other fields include advertising, publishing and business.

Associate of Science Degree Major Code 5304 Computer Aided Drafting and Design Computer Graphics Design (Option)

Core Requ	irements (p. 34)	25-26
CADD Cor	е	24
<b>Art Core</b>		15
CADD Req	uirements	
CADD 110	Engineering Graphics I	3
CADD 115	Intro to 3D CADD	3
CADD 270	2D Computer Animation	3
<b>CADD 271</b>	Graphic Information Tech	1 3
CADD 272	3D Computer Animation	3
CADD 274	Digital Animation App.	3
CADD 276	Computer Animation	
	Studio	3
CADD 450	Graphic Information Tech I	1 3
		24
Art Core		
Art 101	Basic Design	3
Art 240	Typography	3
Art 310	Water Color	3
Art 325	Graphic Communications	3
Art 350	Graphic Communications	113
		15

### Suggested Order of Study

Associate of Science Degree Major Code 5304 **CADD-Computer Graphics Design Option** 

Freshman	rear	
1st Semeste	er	
Course		Hours
<b>CADD 110</b>	Engineering Graphics I	3
<b>CADD 270</b>	2D Computer Animation	3
Art 101	Basic Design	3
CORE	[English 101]	3
CORE	[Comm 100]	3
		15
2nd Semest	er	
CADD 115	Intro to 3D CAD	3

2nd Semeste	er	
<b>CADD 115</b>	Intro to 3D CAD	3
CADD 271	Graphic Information Tech I	3
Art 240	Typography	3
CORE	[Math 30 or higher]	3
CORE	[Hist 110/120]	3
CORE	[Psy 100, Soc 110, Econ 180]	3
		18

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### Sophomore Year

1st Semeste	r	
<b>CADD 272</b>	3D Computer Animation	3
CADD 450	Graphic Info Tech II	3
Art 325	Graphic Communications I	3
Art 310	Water Color	3
CORE	[Biology/Physics]	4-5
CORE	[Humanities/Fine Art]	3
		-20

### 2nd Semester

ZIId Ocilicate	·1	
<b>CADD 274</b>	Digital Animation App.	3
<b>CADD 276</b>	Computer Animation Studio	3
ART 350	Graphic Communication II	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
* MO Const.	Test or PSc 120	3
	15-1	8

### [Department Recommendation]

For additional information contact: Mr. Francis Bartholet

Office: Ummel Technology Building 112

Phone: 417.625.9567

E-mail: bartholet-f@mail.mssc.edu

### Course Descriptions

#### CADD 270 (F)

3hrs. cr.

### 2D Computer Animation

Fundamentals of computer animation. Develop skills with technology in 2D Animation, sound editing, and general computer movie making. One hr. lecture, 4 hrs. of lab. Corequisites: CADD 110 or permission of the department.

### CADD 271 (S)

3 hrs. cr.

Graphic Information Technology I

Basic applications of data transfer and manipulations within industrial environments. Topics could include basic Internet applications, basic Web page design, introduction to data formatting for the Internet, and other topics as the technology changes. One hr. lecture, 4 hrs. of lab.

### CADD 272 (F)

3 hrs. cr.

#### **3D Computer Animation**

Fundamentals of computer animation on a personal computer focusing on industrial applications, such as product promotion and marketing, motion simulation of machine elements and mechanisms, and its use in presentation, training and instruction. This involves imparting movement and photo-realistic appearance to geometric shapes and models. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 270 or permission of the department.

### CADD 274 (S)

3 hrs cr.

### **Digital Animation Applications**

Integration of real life forms with computer generated images, using state of the art scanning,

digital touch probe, and motion capturing systems. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 272 or permission of the department.

#### CADD 276 (S)

3 hrs. cr.

#### **Computer Animation Studio**

Capstone course to enable students to develop professional material for their portfolio. Using the latest, state of the art computer animation tools to complete their studio requirements. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 274 or permission of the department.

### CADD 450 (F)

3 hrs. cr.

Hours

### **Graphical Information Technology II**

A seminar class applying the advanced applications of data transfer and manipulations within industrial environments. Topics could include advanced Internet applications, advanced Web page design, data formatting, and other topics as the technology changes. One hr. lecture, 4 hrs. of lab. Prerequisite: CADD 271

### Land Surveyor in Training Program of Study

Completion of the following classes will allow a person who has the necessary field experience and work related hours to sit for the Land Surveyor in Training licensing test in the State of Missouri. The Missouri Board of Architecture, Professional Engineering and Land Surveyors has approved this sequence of courses to meet statute Section 327.312.1(3) RSMo.

### Suggested Order of Study

### Land Surveyor in Training **Program of Study**

Course

CADD	Core Requirements	1
Spring 1st Semester CADD 230	Elementary Surveying*	3 <b>3</b>
Summer 2nd Semeste CADD 231 CADD 234	er Advanced Surveying Land & Survey Descriptions	3 3 6
Fall 3rd Semeste CADD 232 CADD 233	r Surveying Computations Boundary Control and Legal Principles	3

\*Trigonometry (Math 135) is a pre-requisite to CADD 230. Course descriptions page 182.

# **Computer Assisted** Manufacturing

Ummel Technology Building 119, 417.625.9327

E-mail: schultz-d@mail.mssc.edu

Faculty Duggal, Howe, Schultz, Scorse

The department offers an associate of science degree in Computer Assisted Manufacturing Technology. The requirements of this degree will provide a progressive and flexible technical education, which will assist in securing employment in rapidly changing technological fields.

A variety of courses in this program emphasize the use of computers and various software, which enrich the skills acquired by the students to compete in this ever-changing age of modern technology. These include: Computer Numerical Control, Introduction to 3D CADD, Fundamentals of Robotics, Computer Animation in Industry, Computer Assisted Manufacturing and Computerized Production Planning and Control Systems. General education course work in Mathematics, Physical Science, English, History and Communications will give the student the additional knowledge and skills employers are seeking.

The courses in the Computer Assisted Manufacturing Technology curriculum are designed to provide the students with applications-oriented training in both basic and advanced aspects of technology. Lectures followed by Lab training on equipment such as a computer numerical control machining center and an industrial robot enable the student to apply information learned in lecture and also allow for individual innovation. Students have received recognition in worldclass competition for innovative developments in robotics.

Professional faculty interact with local industry to insure that instruction is current with the latest technological developments. This interaction of faculty and involvement of an individual in the Society of Manufacturing Engineers Student Chapter provides students with excellent contacts for internships and employment.

The program holds national certification with the National Institute of Metalworking Skills (NIMS).

### **Baccalaureate Options**

Students who complete the A.S. degree in CAMT may continue their education by pursuing a baccalaureate degree in one of three areas:

- Manufacturing Information Management Systems (MIMS)
- · Computer Information Science
- Management Technology
- Industrial Technology Education

The first option is designed to equip the manufacturing technologist with vital management skills in areas such as TQM, SQC/SPC, EDI and Computerized Manufacturing Applications. The second option is a BS degree with a background in LAN management, data structures and data base operation. The third option would provide management and marketing skills that would lead to an entry level management position in manufacturing. The fourth option is offered in conjunction with the Education department to prepare students for middle or secondary certification in Industrial Technology teaching field.

We also offer a one-year certificate program in Manufacturing Applications. For additional information contact the CAMT department.

### Associate of Science Degree Major Code 5399

### Computer Assisted Manufacturing Technology

	Semester H	lours
Core Requ	irements (p. 34)	26
Computer	<b>Assisted Manufacturing</b>	
Technolog	y Requirements	15
CAMT 100	Intro to Machine Tool	
	Processes	3
CAMT 105	Precision Machining	3
CAMT 160	Inspect & Gaging	3
CAMT 200	Computer Numerical	
	Control	3
CAMT 250	Computer Assisted	
	Manufacturing	3
	Ü	
Manufactu	sing Tachnalagy Cleative	- 04

Manufactu	ring Technology Elective	s 24
CAMT 110	Fundamentals of	
	Cutting Tools	1
CAMT 150	Materials and Processes	3

CAMT 202	Tool Design for	
	Manufacturing	3
CAMT 240	Industrial Materials	3
CAMT 220	Fundamentals of Robotic	cs 1
CAMT 298	Selected Topics in	
	Manufacturing	1-8
CAMT 330	Quality Control and	
	Reliability	3
CAMT 490	Internship in	
	Manufacturing Tech	3
CAMT 498	Seminar in	
	Manufacturing Tech	3
<b>CAMT 499</b>	Independent Study	
	in Manufacturing Tech	1-3
CADD 260	<b>Engineering Graphics II</b>	
<b>CADD 298</b>	Selected Topics Drafting	g &
	Design Engineering	
	Technology	1-8
<b>CADD 498</b>	Seminar in Drafting &	
	Design Engineering	
	Technology	1-3
<b>CADD 499</b>	Independent Study in	
	Drafting & Design	
	Engineering Tech	1-3
MIMS 305	Basic Electricity &	
	Electronics	3
MIMS 310	Computer Production/	
	Planning Control	3
MIMS 315	Statics for Engineering	
	Techology	3
MIMS 320	Applied Statistical	
	Quality Control	3
MIMS 325	Dynamics and Kinomatic	cs
	for Engineering Tech	3
MIMS 350	Industrial Supervision (W	1) 3
MIMS 410	International Trends	•
	in Manufacturing (WI)	3
MIMS 425	CAD/CAM Systems	3
MIMS 435	Professional Internship	3

### Suggested Order of Study

### Associate of Science Degree Major Code 5399

### Computer Assisted Manufacturing Technology Major

### Freshman Year

1st Semeste	er	
Course		Hours
CAMT 100	Intro Mach Tool Processes	3
<b>CAMT 160</b>	Inspect & Gaging	3
CORE	[Math 30 or Math 114 or	
	Math 130]	3
CORE	[Psy 120 College Orient]	1
Manufacturi	ng Technical Elective	6
		16

2nd Semes	ter	
CAMT 105	Precision Machining	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Manufacturi	ng Technical Electives	6
		16
Sophomore	e Year	
1st Semeste	er	
CAMT 200	Comp Numeric Control	3
CORE	(Phys 100 Fund of Phys So	i) 5
CORE	(Hist 110/Hist 120)	3
Manufacturi	ngTechnical Elective	6
		17
2nd Semest	er	
CORE	[Econ 201Econ-Macro]	3
CAMT 250	Comp Assisted Manu	3
CORE	[Humanities/Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness	
	ngTechnical Elective	6
* MO Const.	Test or PSc 120	3
	17	7-20

See department faculty for information on college credit for work experience through the development of an employment portfolio.

### For additional information contact:

Mr. Don Schultz

Office: Ummel Technology Building 115

Phone: 417.625.9327

E-mail: schultz-d@mail.mssc.edu

### Course Descriptions

### CAMT 100 (F, S)

3 hrs. cr.

#### Intro to Machine Tool Processes

The theory and safe operation of basic machine tools. Fundamental practices include: safety, basic mathematics, blueprint reading, benchwork, precision measurement, metal sawing, drills and drilling, pedestal bench grinding, engine lathes, mills. One hr. lecture, 4 hrs. lab.

### CAMT 105 (S)

3 hrs. cr.

### **Precision Machining**

An introduction to the operation of surface, cylindrical, tool and cutter grinders. Principles of inspection and gaging, applied trigonometry, tooling geometry and advanced lathe and milling practices will be covered. One hr. lecture, 4 hrs. of lab. Prerequisites: CAMT 100, CADD 110, Math 130 or consent of instructor.

### CAMT 110 (F, S)

1 hr. cr.

### **Fundamentals of Cutting Tools**

Introduction to tool geometry, chip formation and effects of coolants and tool design on tool life. Instruction on the sharpening of standard cutting tools for drilling, formed relieved end mills and

### 186 / CAMT, Industrial Technology Education

mill cutters, and the applications of various factors on machinability. The use of carbides and ceramics as cutting tools. One hr. lecture, 4 hrs. of lab. Prerequisite: It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 150 (F, S)

3 hrs. cr.

#### **Materials and Processes**

A survey of manufacturing materials and processes. Properties of ferrous metals and nonferrous metals and plastics. Introduction and application of the principles of casting, welding, molding, hot working, cold working, stamping, forming and material removal processes. One hr. lecture, 4 hrs. of lab. Prerequisite: It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 160 (F)

3 hrs. cr.

### Inspection and Gaging

Inspection, gaging and precision measurement procedures utilizing mechanical, electronic and optical measuring equipment and related math. Geometric dimensioning and tolerancing emphasized. Computer assisted process control methods are introduced and applied to specific inspection procedures. One hr. lecture, 4 hrs. of lab.

CAMT 200 (F, S)

hue o

#### **Computer Numerical Control**

Basic numerical control concepts and applications, the operation and setup of numerical control machines including Vertical machining centers and turning centers, numerical control programming as applied to machining applications using MDI. One hr. lecture, 4 hrs. of lab. Prerequisites: CAMT 100, CADD 110, Math 30 or 135 or consent of instructor.

CAMT 202 (S)

3 hrs. cr.

### **Tool Design**

Tool design and manufacturing is an advanced course on the designing, machining, and manufacturing of production tools, dies, jigs and fixtures. Prerequisites: CAMT 105 and CADD 110. One hour lecture and four hours lab.

CAMT 210 (Demand)

3 hrs. c

### Computer Animation For Industry

Fundamentals of computer animation on a personal computer focusing on industrial applications, such as product promotion and marketing, motion simulation of machine elements and mechanisms, and its use in presentation, training and instruction. Involves imparting movement and photorealistic appearance to geometric shapes and models. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 115 or COMP 105 or permission of the department.

CAMT 220 (Demand)

1 hr. cr.

### **Fundamentals of Robotics**

Fundamental concepts underlying robot programming and its applications in the manufacturing industry. Covers operation of an industrial robot arm, both lead through and textual programming, end effector design, interfacing with computers

and CNC machines and control systems. Class meets for five weeks. One hr. lecture, 4 hrs. of lab. Prerequisite: Take concurrently with CAMT 110 and CAMT 150 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 240 (S)

3 hrs. cr.

### **Industrial Materials**

Introduction to metallurgy and nonmetallic materials currently used in todayÕs manufacturing settings. Theory and application of principles for identifying, producing, conditioning and testing materials. Laboratory activities involve both manual and computer assisted testing. One hr. lecture, 4 hrs. of lab. Prerequisite: CAMT 150.

CAMT 250 (S)

3 hrs. cr.

### **Computer Assisted Manufacturing**

Advanced techniques of CNC & N/C programming using a completely integrated environment. Concepts of manufacturing programs being an integral part of a dynamic environment as compared to being in an isolated system. One hr. lecture, 4 hr. laboratory per week. Prerequisites: CAMT 200 or consent of instructor.

CAMT 298 (Demand)

1-8 hrs. cr.

### Selected Topics in

Manufacturing Technology
Special topics in new or emerging manufacturing

technology not normally included in another course. Prerequisites specified by the department in a course syllabus.

CAMT 310 (Demand)

4 hrs. cr.

### Manufacturing Data Processing

Designed to teach overall data processing techniques as relating to the manufacturing environment. A solid foundation of manufacturing processes and departmental structuring is required in addition to knowledge of microcomputer usage. Two hrs. lecture, 6 hrs. lab. Prerequisites: CAMT 100, Comp 105 or PC DOS, CADD 115, Acct 201 or consent of instructor.

CAMT 330 (Demand)

3 hrs. cr.

### **Quality Control and Reliability**

The concept of quality control and its applications. The importance of quality control, tools and techniques of SPC/SQC covering control charts used in quality control analysis, inspection and testing for quality control, process variability, product reliability and maintainability. Two hrs. lecture, 4 hrs. lab. Prerequisites: CAMT 100 & 160, Comp 105 or PC DOS, Math 310 or GB 321 or GB 405 or consent of instructor.

CAMT 490 (Demand)

1-8 nrs. cr.

# Internship in Manufacturing Technology A structured work experience in manufacturing technology at an institution, facility or industry not directly related to Missouri Southern. Practical application of the students' majors under the direct supervision of an on-site professional who is not an MSSC faculty or staff member. A faculty member will be responsible for approving the

placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CAMT courses and permission of a committee.

CAMT 498 (Demand)

1-3 hrs. cr.

### Seminar in Manufacturing Technology

Covers specialized knowledge and skills related to new developments in manufacturing technology. Topics will vary by the semester and situation. Prerequisite: Senior standing in management-technology or an associate degree in manufacturing technology.

CAMT 499 (Demand)

1-3 hrs. cr.

### Independent Study in Manufacturing Technology

Individually directed reading, research and report preparation in selected areas of contemporary manufacturing technology, for advanced majors. Scope, depth and area of concentration and credit will be arranged when enrolling in the course. Offered by arrangement. Prerequisite: Completion of required manufacturing technology courses with minimum 3.0 GPA and permission of instructor, department head and school dean.



Ummel Technology Building Room 148, 417.625.9834

### Faculty Bartholet, Scorse

The Industrial Technology Education degree has certifications for both middle school (grades 5-9) and Secondary (grades 9-12). The middle school certification in Industrial Technology is one of two areas of concentration that a student may select from to complete their education degree. The student who desires to teach in a secondary school will have a single teaching field. Technology education is an applied discipline designed to promote technological literacy at all levels. It is the intent of such study to provide students with an understanding of their technological culture so they can become intelligent consumers of their technology. Therefore, the program is designed to produce individuals who can solve problems involving the technical means humans' use for their survival. Technology education capitalizes on the needs humans have for expressing themselves with tools and materials. Technology lit-

### **Industrial Technology Education / 187**

eracy is considered a basic and fundamental study for all persons regardless of educational or career goals. As a result of these goals, the discipline is both academic and laboratory oriented.

### Bachelor of Science in Education Middle School Education

Grades 5-9 Certification in Industrial Technology (This degree is 1/2 of a dual degree for Middle School Certification)

### Bachelor of Science in Education with a major in Industrial Technology

Grades 5-9 Certification One of Two Teaching Fields

Semester Hours
Core Requirements (p.33) [51\*] 48\*
Education Certification Requirements 51

Educ 330 Industrial Technology
Methods 3
Industrial Technology Requirements: 21

CADD 271 Graphic Eng. Tech. 3

Energy & Power 3 MIMS 381 Basic Energy & Power 3

Materials & Process

CAMT 100 Intro Machine Tool Proc 3

CAMT 150 Materials and Process 3

Organization and Administration 3
MIMS 350 Industrial Supervision 3

MIMS 391 Wood Working & Plastic 3

Second Teaching Field 25-28 TOTAL 148-151

\*Required course in psychology satisfies the requirement for three hours of the core curriculum.

### Bachelor of Science in Education – Middle School Education

Candidates who elect middle school (grades 5-9) as their major must complete two areas of concentration consisting of 22-32 hours in each area. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty. Students who desire to teach in a middle school may choose to become qualified in any two of the following seven areas: Language Arts (English), Math, Science, Social Studies, Business, Industrial Technology, Speech/Theatre.

### Middle School Professional Education sequence Grades 5-9

Semester Hours Math 119 Math Elem I 3 Math 120 Math Elem II 3 Psy 305 Child/Adolescent Dev 4 Psy 310 Educ Psychology 2 Psy 412 Meas. & Eval. 2 Educ 100 Intro to Tchr Educ I Educ 200 Intro to Tchr Edu II 1 Educ 301 Use of Cmptr. Sftwre 3 Educ 302 **Exceptional Child** 2 Two content area Methods Courses (Educ 311,312, 322,336,340,344,330) 4-6 Educ 321 Microteaching Educ 329 Pedagogical Theory Educ 423 Classroom Management 2 Educ 342 **Development Reading** Educ 343 Content Area Lit: MS 3 Educ 402 Foundations of Educ. 2 Educ 412 Phil, Org. & Curr. 2 Educ 413 Mthds Tchg in Mid. Grds. 2 Educ 432 Critical Issues 2 Educ 452 8 Student Teaching

The core and department of education requirements for the middle school program total 100 hours. The number of hours added to this core depends on the two content areas chosen. The possible choices and hours are listed below:

IT/SS = 35 IT/S-T = 50 IT/LA = 41 B/IT = 47 Sci/IT = 43 Math/IT = 43

### Suggested Order of Study

### Bachelor of Science in Education Middle School Education with Industrial Technology Concentration

Candidates will need to check with their advisers for additional courses that must be taken in each of two chosen areas of concentration Language Arts, Social Science, Science, Industrial Technology, Business, Speech/Theatre, or Math.

#### Freshman Year

 1st Semester

 Course
 Hours

 Educ 100
 Intro to Tchr Educ I
 1

 CORE
 [Eng 101 Comp I] (WI)
 3

 CORE
 [Math 119 Math Elem I]
 3

 CORE
 [Econ 180 Amer Econ]
 3

Psy 120 CORE CORE	College Orientation [Comm 100 Oral Comm] * [Kine 101 PE Activity]	1 3 1 <b>15</b>
2nd Semeste CORE CORE CORE Psy 100 CORE	[Math 120 Math Elem II] [Eng 102 (Eng 101)] (WI) [Hist 110 U.S. 1492-1877] General Psychology [Bio 101 Gen Biology]	3 3 3 4 16
Summer-Free Concentration	eshman Year n Area	4-8 <b>4-8</b>
Sophomore 1st Semeste CORE CORE CORE Educ 301 Educ 200 CORE MIMS 381		s] 2 3 1

### 2nd Semester

Pass C-Base test for admission. Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Apply for admission to the Teacher Education Program. Get faculty recommendation, write autobiography, and file admission papers for tentative admission. If ACT is less than 20, candidate should retake the ACT.

Psy 305	Child/Adolescent Dev	4
CORE	[Humanities/Fine Arts (2C)]	3
CORE	[Humanities/Fine Arts (2A)]	3
CAMT 100	Intro Machine Tool Proc	3
<b>CADD 110</b>	Engineering Graphics	3
Concentration 2nd Area		3
		19

Summer-Sophomore Year
Concentration 2nd Area 4-8
4-8

### Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ 100. Educ 200. Educ 301 and Educ 302).

100, Educ 20	0, Educ 301 and Educ 302).	
Educ 329	Ped Theory Methds Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Dev Reading: Elementary	3
Concentration	2nd Area	3
MIMS 391	Wood Working & Plastics	3
		17

#### 2nd Semester

Must be fully admitted to the
Teacher Education Program
Educ 343 Content Area Lit: M.S. (WI) 3
Educ 302 Exceptional Child 2
Psy 310 Educational Psychology 2

### 188 / Industrial Technology Education

CORE 5a	[IB 310 International Bus.]	3
<b>CADD 271</b>	Graphics Info. Tech.	3
CAMT 150	Materials and Process	3
Concentratio	n 2nd Area	2-3
	18	-19
Summer-Jur	nior Year	
Concentratio	n 2nd Area	2-8
		2-8
Senior Year		
1st Semeste		
Educ 412		2
Psy 412	Measurement & Eval	2
Educ	2nd Certification Area	2-3
MIMS 350	Industrial Supervision	3
Concentratio	n 2nd Area	4-5
CORE	[PSc 120 Gov't: US/St/Loc]	3
	16	-18
2nd Semeste	er	
Educ 402	Foundations of Educ (WI)	2
Educ 413	Methods of Tchng M.S.	2
Educ 432	Critical Issues	2
Educ 452	Student Teaching	8
Educ 330	Industrial Tech Methods	3
		17

### (Prerequisites)

[Department Recommendations]

\*Candidate must have speech evaluation filed in the Educations Dean's office.

\*\* This is a certification requirement and must be taken by all teacher education candidates prior to Junior Block or concurrently.

For additional information contact:

Dr. Tia M. Strait, Dean School of Technology Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

Mr. Francis Bartholet Industrial Technology

Office: Ummel Technology 112

Phone: 417.625.9567

E-mail: bartholet-f@mail.mssc.edu

Mr. John Scorse, CMFGE Industrial Technology

Office: Ummel Technology 148

Phone: 417.625.9834

E-mail: scorse-j@mail.mssc.edu

Bachelor	of	Science	in
Industrial	Te	echnolog	Jy

Major Code: 9040 Grades 9-12 Certification

Core Requirements (p.35) [51]	48
<b>Education Certification Requirem</b>	ents
(p. 162)	43-45
Industrial Technology Requirement	ts 36
Communications: (minimum 7)	9
CADD 110 Engineering Graphics	3
CADD 220 Architectural Drafting	3
CADD 271 Graphic Info. Tech.	3
Energy & Power: (minimum 7)	3
MIMS 381 Basic Energy & Power	3

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Materials & I	Process: (minimum 7)	
CAMT 100 II	ntro Machine Tool Proc.	3
CAMT 150 N	Materials and Process	3
MIMS 391 V	Voodworking & Plastics	3

Pneumatics & Hydraulics 3

MIMS 305 Basic Elect & Electronics 3

MIMS 383 Power Generation

Organization/Administration: (min. 5)
MIMS 350 Industrial Supervision 3
MIMS 310 Prod. Planning & Control 3

Additional related: (for a total of 36) 3
MIMS 393 Wood & Plastics Science 3
Total 127/129

\* Required course in psychology satisfies the requirements for three hours of the core curriculum.

#### 2nd Semester CADD 110 **Engineering Graphics** CAMT 100 Intro to Machine Tool Proc CORE 1d [Kine 103 Lifetime Wellness] 2 CORE 1a [Eng 102 (Eng 101)] (WI) [Hist 110 US 1492-1877] CORE 4a 3 [Bio 101 Gen Biology] 4 CORE 3a 18

#### Sophomore Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

specially cou	1303.	
Educ 200	Intro to Tchr Educ II	1
Educ 302	Exceptional Child	2
CORE 3b	[Phys 100]	5
CORE 4a	[Hist 120 US 1877-present]	3
MIMS 391	Wood Working & Plastics	3
MIMS 381	Basic Energy & Power	3
		17

Pass first available C-Base test. Verify that ACT score is 20. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

#### 2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

Educ 301	Comp Software Clsrm**	3
Psy 301	Adolescent Development	3
<b>CADD 220</b>	Architectural Drafting	3
CAMT 150	Materials and Process	3
CORE 2c	[Humanities/Fine Arts (2C)]	3
CORE 2a	[Humanities/Fine Arts (2A)	3
		18

### Suggested Order of Study

Bachelor of Science in Education Secondary Education (9-12) Industrial Technology Emphasis Major Code 9040

#### Freshman Year

1st Semester Course Hours Educ 100 Intro to Tchr Educ I General Psychology Psy 100 3 CORE 1a [Eng 101 Comp I] (WI) 3 [Math 130 Math] CORE 1c 3 Psy 120 College Orientation CORE 1b [Comm 100 Oral Comm]\* 3 CORE 1d [Kine 101 PE Activity]

### **Junior Year**

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301, and Educ 302).

Educ 100, Ed	duc 200, Educ 301, and Educ	30
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
CORE 4a	[PSc 120 Gov't: US/St/Loc]	3
MIMS 350	Industrial Supervision	3
CORE 2b	[Humanities/Fine Arts (2B)]	3
		17

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

#### 2nd Semester

15

Follow departmental recommendations for teaching specialty courses.

ing specially	courses.	
Psy 310	Educational Psychology	3
<b>CADD 271</b>	Graphics Info. Tech.	3
MIMS 305	Basic Electricity & Electronics	3
MIMS 393	Woods & Plastic Science	3
MIMS 383	Power Generation	
	Pneumatics And Hydraulics	3

### **Industrial Technology Education, MIMS / 189**

#### Senior Year

1st Semester

Follow the departmental recommendations for teaching specialty courses. Apply for student teaching during the second week of the semester.

Educ 422 Content Area Lit: Sec. (W	1) 2
Psy 412 Measurement & Eval.	
OR	
Educ 412 Mid School Curr	
OR	
Educ 420 Intro to Counseling	2-3
MIMS 310 Prod Planning & Cntl	3
CORE 5a [IB 310 Internt'l Bus]	3
CORE 4a [Econ 180 Amer Econ]	3
COTTL 48 [ECOTT TOO ATTIET ECOTT]	3
1	3-14

2nd Semeste	er
Educ 402	Foundations of Educ (WI)
Educ 432	Critical Issues

Educ 330 Industrial Technology Meth. 3
Educ 462 Student Teaching Sec 8
15

2

#### (Prerequisite)

[Department Recommendations]

\*Candidate must have speech evaluation filed in the Education Dean's office.

\*\* This is a certification requirement and must be taken by all teacher education candidates prior to Junior Block or concurrently.

For additional information contact:

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Mr. John Scorse, CMFGE Industrial Technology Office: Ummel Technology 148

Phone: 417.625.9834

E-mail: scorse-j@mail.mssc.edu

Course descriptions for course requirements in Industrial Technology are located on pages 182-191.

### EDUC 330 (S) 3 hrs. cr.

### Industrial Technology Methods

This is a required education course, which is an introduction to the instructional planning, materials, philosophy, rationale, and methods of teaching Industrial Technology. It is a part of the professional semester. Prerequisites: Advanced standing in major field: admission to teacher education program. (Junior Block)

### Manufacturing Information Management Systems (MIMS)

Ummel Technology Building 153 417.625.9305 or 417.625.9757

**Faculty** Bartholet, Duggal, Howe, Schultz, Scorse

This degree program blends the management, design and manufacturing application aspects in a unique way to produce a graduate that is functional at floor level manufacturing and management environment. Students must have completed an associate degree in a technical field in order to complete the Manufacturing Information Management Systems (MIMS) program.

# Management Information Management Systems (MIMS)

Semester Hours

Core Requirements (p. 34)			45
(6 hours core included in major)			
<b>Associate</b>	of Science in		
Technical	Field		36
Required M	MIMS Curriculum		45
MIMS 310	Comp Prod Plan/Control	3	
MIMS 350	Industrial Supervision (WI)	3	
MIMS 305		3	
MIMS 420	Manufacturing Computer		
	Applications	3	
CAMT 240	Industrial Materials	3	
CIS 305	Microcomp App's	3	
MIMS 320	Applied Stat		
	Quality Control	3	
MIMS 450	Graphics Info Tec II	3	
MIMS 415	Mechanical Design	3	
MIMS 425	Manuf Info Systems	3	
IB 310	International Business	3	
	(core requirement Area 5)	)	
GB 321	Business Statistics I	3	
GB 405	Statistical Quality Control	3	
MM 350	Principal of Marketing (WI)	3	
Econ 202	Economics-Micro	3	

(core requirement Area 4)

### Suggested Order of Study

### Bachelor of Science Major Code 4997

Management Technology with an emphasis in Manufacturing Information Management Systems (MIMS)

### Junior Year

1st Semest	er	
Course		Hours
MIMS 310	Comp Prod Plan/Control	3
MIMS 350	Industrial Supervision (WI)	3
GB 321	Business Stats I	3
MM 350	Prin of Management (WI)	3
CORE	[Eng 102 Comp II]	3
CORE	[Area 3C]	3
		18
2nd Semes		
MIMS 305	Basic Electricity & Elec	3
GB 405	Statist Quality Control	3
MIMS 420	Mfg Computer Appl	3
CAMT 240		3
Econ 202	Economics (Micro)	3
CORE	[Bio 101 Gen Biology]	4
		19
Senior Yea	•	
1st Semest		
CIS 305	Microcomp App's	3
CORE	[Area 2C] (WI)	3
MIMS 320	Applied Stat Quality Cntl	3
MIMS 450	Graphics Info Tec II	3
CORE	[PSc 120 Gov't: U.S.,	0
	State, Local]	3
		15
2nd Semest		
MIMS 415	Mechanical Design	3

\*Students in the MIMS program will need Math 125 or higher to meet Core requirements for a Bachelors degree.

[IB 310] (Area 5)

[Hist 120/320]

3

3

3

MIMS 425 Manuf Info Systems

[Area 2B]

CORE

CORE

CORE

126

Students should consult the department faculty in the Design Manufacturing Information Technologies at the earliest possible date in order to incorporate the correct sequence into the appropriate associate of science degree program.

For additional information contact:

Dr. Tia M. Strait, Dean School of Technology Office: Justice Center 126 Phone: 417.625.3155

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### 190 / MIMS

For additional information contact:

Dr. J.S. Duggal

Office: Ummel Technology 153

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Mrs. Elke Howe

Office: Ummel Technology 146

Phone: 417.625.9849

E-mail: howe-e@mail.mssc.edu

Mr. John Scorse

Office: Ummel Technology 148

Phone: 417.625.9834

E-mail: scorse-j@mail.mssc.eduu

Course Descriptions

MIMS 305 (S)

3 hrs. cr.

**Basic Electricity and Electronics** 

An integrated study of DC and AC circuits in which the sinusoidal system is introduced and safety with the use of lockout and tagout procedures and methodology. Topics covering the concepts of Ohm's Law, Kirchoff's Laws and DC circuits such as series circuits, parallel circuits, and series-parallel circuits. The study of capacitors and inductors serves as an introduction to the sinusoidal system and the behavior of R, L, and C in a sinusoidal system. The laboratory component includes the use of test instruments dealing with Ohm's Law, series circuits. Lab also includes a study of internal resistance and loading as well as basic circuit design including single and three phase circuits as well as control voltage circuits. Two hrs. lecture, 2 hrs. lab. Prerequisite: Phys 100 or higher and Math 125 or above or consent of the instructor.

MIMS 310 (F)

3 hrs. cr.

Computer Production/Planning Control
Theory and application of production and inven-

Theory and application of production and inventory management philosophies and techniques as they relate to the study of computer-integrated manufacturing (CIM). Students will address such areas as material handling, scheduling, MRP, JIT, inventory control models, lean manufacturing, flexible manufacturing systems, shop-floor control, etc. Two hrs. lecture, 2 hrs. lab. Prerequisites: Math 130, Comp 105 or CIS 305 or consent of instructor.

MIMS 315 (Demand)

3 hrs. cr.

Statics for Engineering Technology

Practical aspects of statics and strength of materials with emphasis on comprehension of underlying principles and their applications. Topics include: vector algebra, force equilibria, moments, trusses, static and kinetic friction, me-

chanical properties of materials, stress and strain, thin-walled vessels, beams, shear and bending moment and torsion. Two hrs. lecture, 2 hrs. lab. Prerequisites: Phys 100 or higher and Math 125 or higher.

MIMS 320 (F)

3 hrs. cr.

**Applied Statistical Quality Control** 

The concept of quality and its applications. Importance and impact of Total Quality Control for manufacturing and service industries in today's age of global competition. Tools and techniques of Statistical Quality/Process Control including control charts, capability analysis, and problem solving tools will be discussed. Aspects of inspection, testing, sampling plan as they relate to interface with quality control and automated data collection will be covered. Two hrs. lecture, 2 hrs. lab. Prerequisites: GB 321, GB 405 or permission of the instructor.

MIMS 325 (Demand)

3 hrs. cr.

Dynamics and Kinematics for Engineering Technology

Second part of a two semester course in mechanics. Includes: Kinematics, rectilinear and angular motion, plane motion, principles of work, energy and power, impulse and momentum with practical applications to engineering technology., basic motion analysis, rotary motion, cams, gears and introduction to automation devices. Two hrs. lecture, 2 hrs. lab. Prerequisites: Phys. 100 or higher and Math 125 or higher.

MIMS 350 (F)

3 hrs. cr.

Industrial Supervision (Writing Intensive) A dynamic look at the interrelationship between work assignments, work performance, and performance outcomes within an industrial work environment. Skills focused introduction to supervision. The job of supervisor is explained and examples of how supervisors operate in real situations are discussed. The focus is on key skills needed for effective supervision - e.g., goal-setting, delegating, budgeting, interviewing, motivating, counseling and coaching. An examination of group dynamics, presentations, and basic interpersonal skills will be combined to establish an understanding and develop a sense of commitment to a positive and progressive work ethic. Prerequisite: Junior standing, 6 hours English Comp or permission of department.

MIMS 381 (F)

3 hrs. cr.

Introduction to Power and Energy

This is a required technology course which is an introduction to the methods used in industry for the use of creating force / power and the generation of this energy / power. Emphasis is placed on the investigation and conceptual understanding of methods of power generation as well as the distribution and use of the energy developed. Two-hours lecture and two-hours lab per week.

MIMS 383 (F)

3 hrs. cr.

Power Generation including Pneumatic and Hydraulics

This is a required technology course which is an advanced study in the methods used in industry for the use of creating force/power and the generation of power. Emphasis is placed on the advanced investigation and conceptual understanding of the methods of power generation as well as the distribution as it relates to pneumatics and hydraulics. Two-hours lecture and two-hours lab per week.

MIMS 391 (S)

3 hrs. cr.

Wood Working and Plastics for Shop

This is a required technology course which is an introduction to the methods used in industry in the processing and production of wood and plastic products. The student will develop an appreciation for and knowledge of materials, products, tools and process. Emphasis is placed on the proper and safe use of wood and plastic machines, tools, and chemicals as well as pride in workmanship. Students will be given an opportunity to design and build wood and plastic products throughout the course. Two-hours lecture and two-hours lab per week.

MIMS 393 (F)

3 hrs. cr.

**Wood and Plastic Science** 

This is a required technology course, which is an introduction to the science of wood and plastic and the processing and production of wood or plastic components as well as basic cabinet construction. The student will develop an appreciation for and knowledge of materials, products, tools and process as required in shop and industrial applications. Emphasis is placed on the proper and safe use of wood and plastic machines, tools, and chemicals in the processing or production of wood and plastic components. Students will be given an opportunity to investigate their knowledge of design and building of wood and plastic products throughout the course. Prerequisite of technical math or equivalent and MIMS 391. Two-hours lecture and twohours lab per week.

MIMS 405 (Demand)

3 hrs. cr.

**Mechanics of Materials** 

Calculations of material strength and deformation are complemented with principles and practice of mechanical testing including instrumentation and measurement in the areas of loads, stresses, deformations, thermal stresses, and other quantities. Two hours lecture and two hours lab a week. Prerequisite: MIMS 315, MIMS 325.

MIMS 410 (Demand)

3 hrs. cr.

International Trends in

Manufacturing (Writing Intensive)
Discussion of issues and trends in U.S. manufacturing and technology with special emphasis

facturing and technology with special emphasis on the causes and consequences of its internationalization in the face of global competition.

Course content may vary to ensure that contemporary or latest developments are highlighted. Prerequisites: Junior standing, 6 hrs. of English Comp. or permission of the department.

MIMS 415 (S)

3 hrs. cr.

### Mechanical Design

Machine elements in mechanical design, design for different modes of failure, tolerances and fits. shaft design, keys and couplings, springs, spur gears, belts and chains, clutches and brakes, and rolling contact bearing. Two hrs. lecture, 2 hrs. lab. Prerequisite: Phys 100 or higher and Math 125 or above.

MIMS 420 (S)

3 hrs. cr.

**Manufacturing Computer Applications** Introduces problem solving and analysis in the application of integrated manufacturing information systems software. Includes: design, production routing, project planning and tracking, material handling and inventory control, coding and classification using current integrated manufacturing software.

MIMS 425 (S)

3 hrs. cr.

**Manufacturing Information Systems** 

Principles taught in the course apply in all phases of engineering work, including new product design and development, process development, and manufacturing process improvement. Applications from various fields of engineering will be illustrated throughout the course. Computer software packages to implement the methods presented will be illustrated extensively and used for homework assignments and term projects. Two hours lecture, 2 hrs. lab. Prerequisite: Senior standing.

### MIMS 435 (F,S,S)

3 hrs. cr.

**Professional Internship** 

An eight week supervised industrial training experience in a design manufacturing engineering environment. The intern will be placed with a cooperating company to work under the guidance of the college and the company on various product design manufacturing activities. This experience should greatly expand and support the educational experience provided to the student. Prerequisite: Completion of junior year coursework CIS 305, MIMS 310.

MIMS 450 (F)

3 hrs. cr.

Graphical Information Technology II

A seminar class designed to apply the advanced applications of data transfer and manipulations within industrial environments. Topics could include advanced Internet applications, advanced Web page design, data formatting, and other topics as the technology changes. One hr. lecture 4 hrs. lab. Prerequisite: CADD 271.

MIMS 490 (S)

Manufacturing Applications (Capstone) Allows the student to build on all the skills and knowledge gained in prior coursework and creative implementation of the concepts learned through projects or internships pertaining to

various manufacturing applications. Will work in teams on project(s) that will take them from ideas through various aspects of design, development and manufacturing to conclusion. Prerequisites: Senior standing.

### One Year Certificate In Manufacturing **Applications**

One year certificate program in Manufacturing Applications is offered through Computer Aided Drafting and Design (CADD) and Computer Assisted Manufacturing Technology (CAMT). Refer to the individual departments CADD (page 181) and CAMT (page 184) for course descriptions.

The student has four options to choose

from: CADD Operator

- CNC Operator
- Reverse Engineering Technician
- Quality Technician

### **CADD** Operator

The program is structured to prepare individuals to perform Computer Aided Drafting and Design work in CADD laboratories. The trained individual will have the skills to prepare drawings for manufacture and make design amendments to existing drawings using CADD programs. The program will prepare the individual to work as a CADD operator, as well as a drafting technician and a detailer.

### Suggested Order of Study

### Certificate Manufacturing Applications 1st Semester

Course		Hours
CAMT 100	Intro to Machine Tools	3
<b>CAMT 110</b>	Fund of Cutting Tools	1
CAMT 160	Inspection & Gaging	3
CADD 115	Intro to CAD	3
<b>CADD 110</b>	Engineering Graphics I	3
CAMT 150	Materials & Processes	1
Technical El	lective	3
		17
2nd Semest	er	
CAMT 105	Precision Machining	3
<b>CADD 130</b>	Engineering Graphics II	3
CADD 202/0	CAMT 202 Tool Design	
	and Manufacturing	3
CAMT 200	Computer Num. Control	3
Math 30	Intermediate Algebra	3
OR		
Math 114		3
Technical El	ective	3
		18

### Certificates of Competencies

The competency certificate programs in Manufacturing Applications are offered through Computer Aided Drafting and Design Engineering Technologies (CADD) and Computer Assisted Manufacturing Technology (CAMT) programs. These certificates can be earned by completing four course sequences.

### Suggested Order of Study

### Certificate of Competency **CADD** Operator

Course		Hours
CAMT 100	Introduction to Machine	
	Tool Processes	3
<b>CADD 110</b>	Engineering Graphics I	3
<b>CADD 115</b>	Introduction to 3D Compute	er
	Aided Drafting	3
<b>CADD 130</b>	Engineering Graphics II	
OR		
<b>CADD 220</b>	Architectural Drafting	
OR		
<b>CADD 230</b>	Mapping & Surveying	3
		12

### **CNC Operator**

The program is designed to provide skills in the operation of Computer Numerical Controlled (CNC) lathe and milling machines. The student will be equipped to be a CNC Technician upon completion of the program.

### Suggested Order of Study

### **CNC Operator**

Course		Hours
CAMT 100	Introduction to Machine	
	Tool Processes	3
CADD 110	Engineering Graphics I	3
CAMT 160	Inspection and Gaging	3
CAMT 200	Computer Numerical	
	Control	3
		12

### 192 / MIMS, Computer Information Science

### Reverse Engineering Technician

The program is structured to prepare individuals to perform work related to recreating drawings from parts in existence and modifying the drawings for retooling for manufacture. The trained individual will have skills to operate equipment such as a 3D Scanner, CMM. and Faro Arm in recreating 2D and 3D drawings. The individual will also transform the drawings to meet the needed specifications for manufacture. The program will prepare the individual to work as a Reverse Engineering Technician, Coordinate Measuring Technician and a CADD Interface Technician.

### Suggested Order of Study

Reverse E	ngineering Technician	
Course		Hou
CAMT 100	Introduction to Machine	
	Tool Processes	3
<b>CADD 110</b>	Engineering Graphics I	3
CAMT 160	Inspection and Gaging	3
CAMT 298	Reverse Engineering	
	Tools and Practices	3

12

### **Quality Technician**

The program is structured to prepare individuals to perform inspection techniques and assure quality in manufacturing and service industries. The trained individual will have the skills to assist a Quality Engineer in inspecting, gathering and analyzing data pertinent to products and services to maintain the desired quality. The program will prepare the individual to work as a Quality Technician, Quality Inspector, and Quality Analyst.

### Suggested Order of Study

Quality Technician				
Course		Hours		
Math 030	Intermediate Algebra*	3		
Math 130	College Algebra	3		
<b>CAMT 160</b>	Inspection and Gaging	3		
GB 321	Business Statistics I	3		
MIMS 320	<b>Applied Quality Control</b>	3		
		15		

For additional information contact:

Dr. Tia M. Strait, Dean School of Technology Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

# Computer Information Science

Matthews Hall 223, 417.625.9383

**Faculty** Oakes - Head, Collins, Earney, Herr, Mays, Pinet, Schiavo, Tunnell

The Computer Information Science (CIS) department provides opportunities for a broad undergraduate education in the many aspects of computer hardware and software. The faculty's main objective is to offer courses of instruction that develop a thorough understanding of methods for utilizing computer technology in the design and implementation of solutions to complex management, scientific, and engineering problems. Within this context, the department offers the following curricula options:

- Bachelor of Science in CIS -Information Systems
- Bachelor of Science in CIS -Computer Science
- Bachelor of Science in CIS -Computational Mathematics
- Bachelor of Science in CIS -Information Technology
- Bachelor of Science in CIS -Computer Technology
- Minor in CIS Network Systems Administration
- · Minor in CIS Information Systems
- Minor in CIS Website Administration
- Associate of Science in CIS -Network Systems Administration
- Associate of Science in CIS -Information Systems
- Associate of Science in CIS -Website Administration
- Certificate of Achievement in Network Systems Administration

The bachelor of science alternatives prepare the student for graduate school or entry level positions such as systems programmer, systems analyst, applications programmer, database administrator, user

support specialist, network administrator, or website administrator. A minor or associate of science provides the student pursuing some other major with a credential and expertise in computing, an enhancement that is becoming increasingly important in almost every area of science, education, business, and the arts.

Selected CIS and business classes that develop the student's understanding of an organization's information requirements and procedures for designing an information system that will facilitate its management distinguish the information systems/technology major. The computer science major requires that the student take CIS and mathematics classes that develop an expertise in applied mathematics and the theoretical foundations of computer science. Such knowledge is required to design and implement computer solutions for a wide range of problems encountered in science and engineering.

The computational mathematics curriculum meets the requirements for a double major in computer information science and mathematics. Computer technology qualifies the student for an associate of science degree in computer aided drafting and design (CADD) or computer assisted manufacturing technology (CAMT), as well as a major in CIS.

The network systems administration alternatives are designed to provide the student with the knowledge base necessary for managing local/wide area computer networks, as well as being able to provide user support and training in the area of personal computer hardware and application software. Website administration classes prepare the student to design, implement, and manage a World Wide Web based client/server environment.

The nature of computer information science is such that a student selecting this major should enjoy and have a talent for solving problems. The effectiveness of the CIS curricula is measured by the success of our graduates. Their average starting salaries are among the highest when compared to other majors, and placement records indicate that they have enjoyed an excellent placement rate. Many hold positions as middle and upper-level managers for a wide range of organizations, and several have earned graduate degrees.

<sup>\*</sup> or Placement Test or Acceptable ACT Score

### **Computer Information Science / 193**

Only courses in which a student has earned a grade of "C" or above will satisfy departmental requirements for the major or minor in computer information science.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

# Bachelor of Science in Computer Information Science

<b>CIS Core</b>			33
CIS 110	Programming I	3	
CIS 210	Programming II	3	
CIS 302	Information Systems I (WI)	3	
CIS 310	Database Mgmt. Sys. I	3	
CIS 315	Computer Networks	3	
CIS 345	UNIX System Admin.	3	
CIS 350	Data Structures	3	
CIS 370	Adv. Object Oriented Prog.		
OR			
CIS 430	Intro to Artificial		
	Intelligence	3	
CIS 410	Information Systems II	3	
CIS 425	Database Mgmt. Sys. I (W	<b>/I)</b>	3
CIS 450	Operating Systems (WI)	3	
	sional Electives		
	or of Science		
	elect 2 Groups)		12
CIS 230	RPG	6	
AND			
CIS 321	Advanced RPG		
CIS 234	COBOL	6	
AND			
CIS 334	Advanced COBOL		
CIS 308	Website Admin. I	6	
AND			
CIS 340	Website Admin. II		

# Bachelor of Science in CIS - Information Systems Major

Major Code	e 5105		
Core Requ	uirements (51*)		45
CIS Core			33
CIS Profes	ssional Electives		12
Business	Core		21
Acct 201	Principles of Accounting	13	
Acct 202	Principles of Accounting	11 3	
Acct 325	Managerial Accounting	3	
Econ 201	Prin. of Economics (Macro	0)3	
Econ 202	Prin. of Economics (Micro	0) 3	
MM 300	Prin. of Marketing	3	
MM 350	Prin. of Management	3	
Mathemat	ics Core		3
Math 130	College Algebra	3	
General E	lectives		10
Total		1:	24

\*Mathematics and economics courses in major requirements satisfy six hours of the core curriculum.

### Bachelor of Science in CIS -Computer Science Major

Major Cod	e 5106		
Core Requ	4	45	
CIS Core			33
CIS Profe	ssional Electives	-	12
Mathemat	ics Core	2	21
Math 150	Calculus I	5	
Math 250	Calculus II	5	
Math 260	Calculus III	5	
Math 300	Fund. of Math Thought	3	
Math Elect	3		
Physics C	ore		5
Phys 151	Elementary College		
	Physics I	5	
General Electives			8
Total			24

\*Mathematics and physics courses in major requirements satisfy eight hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

### Bachelor of Science in CIS -Computational Mathematics Major

Major Code 5107				
Core Requirements (p. 33) (51*)				
CIS Core				
ics Core	33			
Calculus I	5			
Calculus II	5			
Calculus III	5			
Fund. of Math Thought	3			
Intro. to Num. Analysis	3			
Linear Algebra	3			
Operations Research (WI	) 3			
ives numbered above 320	6			
g Requirements	13			
Physics and Chemistry Electives** 13				
General Electives				
Total				
	ics Core Calculus I Calculus II Calculus III Fund. of Math Thought Intro. to Num. Analysis Linear Algebra Operations Research (Williams and the companion of th	13   13   15   15   15   15   15   15		

\*Mathematics, chemistry, and physics courses in major requirements satisfy eight hours of the core curriculum.

\*\*Must include one from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, and Phys 300).

# Bachelor of Science in CIS - Information Technology Major

	Major Code 5110			
Core Requirements (p. 33) (51*)				48
	CIS Core			33
	<b>CIS Professional Electi</b>	ves		12
	<b>Supporting Concentrat</b>			12
	Business Core (p. 139)			6
	Acct 201 Principles of	Accounting I:	3	
	Acct 202 Principles of			
	Accounting II		3	
	<b>Mathematics Core</b>			3
	Math 130 College Alge	bra :	3	
	General Electives		-	10
	Total		12	24

\*Mathematics course in major requirements satisfies three hours of the core curriculum. 
\*\*Must be approved by the student's adviser and the CIS department head.

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

### Bachelor of Science in CIS – Computer Technology Major (CADD)\*

Major Code 5108			
Core Requirements (p. 33) (51**)			
CIS Core			33
CADD/CAN	MT/MIMS Core		30
<b>CADD 110</b>	Engineering Graphics I	3	
CADD 115	Intro. to CADD	3	
CADD 120	Descriptive Geometry	3	
<b>CADD 130</b>	Engineering Graphics II	3	
<b>CADD 204</b>	Industrial Statics	3	
<b>CADD 210</b>	Technical Illustration	3	
CADD 260	Engineering Graphics III	3	
MIMS 310	Computerized Production	١,	
	Planning, & Control		
	Systems	3	
CAMT 100	Intro. to Machine Tools	3	
CAMT 150	Materials and Processes	3	
<b>Mathematics Core</b>			3
Math 135	Trigonometry	3	
General Electives			10
Total			24

\*This option also qualifies for an associate of science in computer aided drafting and design.

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\*\*Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

### Bachelor of Science in CIS -Computer Technology Major (CAMT)\*

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tion,
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124

\*This option also qualifies for an associate of science in computer assisted manufacturing technology.

\*\*Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

### Minor in CIS - Network Systems Administration

Oystellis	Administration	
<b>CIS Core</b>		21
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 315	Computer Networks	3
CIS 320	NetWare LAN Admin.	3
CIS 325	Windows LAN Admin.	3
CIS 345	UNIX System Admin.	3
CIS 355	Enterprise Network Admin.	3
Total		21

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

## Minor in CIS - Information Systems

CIS Core		2
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 230	RPG	
OR		
CIS 234	COBOL	3
CIS 302	Information Systems I	3
CIS 310	Database Mgmt. Sys. I	3
CIS 321	Advanced RPG	
OR		
CIS 334	Advanced COBOL	3
CIS 410	Information Systems II	3
CIS 425	Database Mgmt. Sys. II	3
Total		2

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

### Minor in CIS -Website Administration

CIS Core		-	2
CIS 110	Programming I	3	
CIS 210	Programming II	3	
CIS 308	Website Administration I	3	
CIS 310	Database Mgmt. Sys. I	3	
CIS 340	Website Administration II	3	
CIS 345	UNIX System Admin.	3	
CIS 370	Adv. Object Oriented Prog.	3	
Total			2

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

### Associate of Science in CIS -Network Systems Administration Major

Major Code 5102

Core Requ	irements (34*)	22-2
CIS Core		2
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 310	Database Mgmt. Sys. I	3
CIS 315	Computer Networks	3
CIS 320	NetWare LAN Admin.	3
CIS 325	Windows LAN Admin.	3
CIS 345	UNIX System Admin.	3
CIS 355	Enterprise Network Admin	. 3

CIS 370	Adv. Object Oriented	Prog. 3
Mathemat	ics Core	3
Math 130	College Algebra	3
General Electives		
Total		64

\*Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

# Associate of Science in CIS - Information Systems Major

Major Code	5103		
Core Requ	irements (34*)	22-2	23
CIS Core		2	27
CIS 110	Programming I	3	
CIS 210	Programming II	3	
CIS 230	RPG		
OR			
CIS 234	COBOL	3	
CIS 302	Information Systems I	3	
CIS 310	Database Mgmt. Sys. I	3	
CIS 321	Advanced RPG		
OR			
CIS 334	Advanced COBOL	3	
CIS 370	Adv. Object Oriented Prog		
CIS 410	Information Systems II	3	
CIS 425	Database Mgmt. Sys. II	3	
Business (			6
Acct 201	Principles of Accounting	13	
Acct 202	Principles of		
	Accounting II	3	
Mathemati			3
Math 130	College Algebra	3	
General El	ectives	5	-6
Total			64

\*Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

# Associate of Science in CIS - Website Administration Major

Major Code 5104						
Core Requirements (34*)						
CIS Core		27				
CIS 110	Programming I	3				
CIS 210	Programming II	3				
CIS 308	Website Administration	1 3				
CIS 310	Database Mgmt. Sys. I	3				

### **Computer Information Science / 195**

				Ullip	utui	IIIIUIIII		193
)	CIS 315 Computer Networks	2	Junior Ye			0-4 0	-1	
		3				2nd Seme		
	CIS 325 Windows LAN Admin.	3	1st Seme		0	CIS 310	Database Mgmt Sys I	3
	CIS 340 Website Administration	n II 3	CIS 345	UNIX System Admin	3	CIS 350	Data Structures	3
	CIS 345 UNIX System Admin.	3	CIS 370	Adv Object Oriented Prog	3	CIS	Professional Elective (1B)	3
	CIS 370 Adv. Object Oriented Pr	og. 3	CORE	[Comm 100 Oral Comm]	3	Math 300	Fund of Math Thought	3
	Mathematics Core	3	CORE	[Area 2C. Lit/Humanity]	3	CORE	[Area 2A. Fine Art]	3
			CORE	[Hist 110 U.S. History]	3			15
	Math 130 College Algebra	3			15			
	General Electives	11-12				Junior Ye	ar	
	Total	64	2nd Seme			1st Semes	ster	
			CIS 315	Computer Networks	3	CIS 345	UNIX System Admin	3
	** 4 - 41 41 1 1		CIS	Professional Elective (2A)	3	CIS 370	Adv Object Oriented Prog	3
	*Mathematics course in major requir		MM 300	Principles of Marketing	3	Phys 151	Elem Coll Physics I	5
	satisfies three hours of the core cur	riculum.	Acct 325	Managerial Accounting	3	CORE	[Area 5A. International]	3
			CORE	[PSc 120 Govt:US/St/Loc]	3	General El		3
	Only computer information scien	ce and		[]	15			17
	mathematics courses in which a				. •			
			Senior Ye	ar		2nd Seme	ster	
	has earned a grade of "C" or ab	ove will	1st Semes			CIS 302	Information Systems I (WI)	3
	satisfy departmental requirements.		CIS 410	Information Systems II	3	CIS 302	Computer Networks	3
			CIS 410				•	
				Operating Systems (WI)	3	CIS	Professional Elective (2A)	3
			CIS	Professional Elective (2B)	3	CORE	[PSc 120 Govt: US/St/Loc]	3
	Cummanted Audes of Ctud	-	CORE	[Hist 120 U.S. History]	3	CORE	[Area 2C. Lit/Humanity]	3
	Suggested Order of Stud	,	General E	lective	3			15
					15			
						Senior Ye		
	Bachelor of Science in CIS -		2nd Seme	ster		1st Semes	ter	
	Major Code 5105		CIS 425	Database Mgmt Sys II (WI)	3	CIS 410	Information Systems II	3
	Information Systems Major		CORE	[Area 5A. International]	3	CIS 450	Operating Systems (WI)	3
	information Systems Major		CORE	[Area 2A. Fine Art]	3	CIS	Professional Elective (2B)	3
			CORE	[Area 2B. Literature]	3	CORE	[Econ 180 Amer Econ Sys]	3
	Freshman Year		MM 350	Principles of Management	3	General El		3
	1st Semester			Timolphoe of Managoment	15	GOTIOTAL EL	COLLAG	15
	Course	Hours			10			13
	CIS 110 Programming I	3				2nd Semes	stor	
	Math 130 College Algebra	3						0
	CORE [Eng 101 Eng Comp I (WI)]	3	Bachelo	r of Science in CIS -		CIS 425	Database Mgmt Sys II (WI)	3
,	CORE [Psy 100 Gen Psychology]	3	Major Cod	e 5106			ive (Numbered above 320)	3
	CORE [Kine 101 Physical Activity]	1	Compute	er Science Major		CORE	[Area 2B. Literature]	3
	CORE [Kine 103 Lifetime Wellness			,,		CORE	[Hist 120 U.S. History]	3
	Psy 120 College Orientation	1	Freshman	Vear		General El	ective	3
	r sy 120 Conogo Chomanon	16	1st Semes					15
		10	Course		Hours			
	2nd Semester		CIS 110	Programming I				
	CIS 210 Programming II	3			3	Bachelor	of Science in CIS -	
			Math 150		5	Major Code	e 5107	
	Econ 201 Principles of Econ (Macro)	3	CORE	[Eng 101 Eng Comp I (WI)]	3		itional Mathematics Majo	
	CORE [Eng 102 Eng Comp II (WI)]		CORE	[Psy 100 Gen Psychology]	3	Computa	monar mameriancs majo	)1
	CORE [Bio 101 Gen Biology]	4	Psy 120	College Orientation	1			
	General Elective	3			15	Freshman		
		16				1st Semes	ter	
			2nd Seme			Course		Hours
	Sophomore Year		CIS 210	Programming II	3	CIS 110	Programming I	3
	1st Semester		Math 250	Calculus II	5	Math 150	Calculus I	5
	CIS 310 Database Mgmt Sys I	3	CORE	[Eng 102 Eng Comp II (WI)]	3	CORE	[Psy 100 Gen Psychology]	3
	CIS Professional Elective (1A)	3	CORE	[Bio 101 General Biology]	4	CORE	[Eng 101 Eng Comp I (WI)]	3
	Acct 201 Principles of Accounting I	3	CORE	[Kine 103 Lifetime Wellness]		Psy 120	College Orientation	1
	Econ 202 Principles of Econ (Micro)	3	JOHE	[o 100 Enothino Womloss]	17		0	15
	CORE [Phys 100 Phys Sci]	5			.,			
	[i liya loo i liya ooi]	17	Sophomo	ro Voar		2nd Semes	ster	
		17	1st Semes			CIS 210	Programming II	3
	2nd Competer				2	Math 250	Calculus II	5
	2nd Semester		CIS	Professional Elective (1A)	3	Phys 151		
	CIS 302 Information Systems I (WI)	3	Math 260	Calculus III	5		Elem College Physics I	5
	CIS 350 Data Structures	3	CORE	[Comm 100 Oral Comm]	3	CORE	[Eng 102 Eng Comp II (WI)]	3
	CIS Professional Elective (1B)	3	CORE	[Hist 110 U.S. History]	3			16
	Acct 202 Principles of Accounting II	3	CORE	[Kine 101 Physical Activity]	1			
	General Elective	3			15			
		15						

## 196 / Computer Information Science

Sophomor			2nd Seme		2		of Science in CIS -	
st Semes		0	CIS 210	Programming II	3	Major Cod		201
IS 310	Database Mgmt Sys I	3	CORE	[Area 2A. Fine Art]		Compute	er Technology Major (CAD	(טכ
ath 260	Calculus III	5	CORE	[Eng 102 Eng Comp II (WI)]	3			
em 101	General Chemistry I	5	CORE	[Bio 101 General Biology]	4	Freshman	Year	
RE	[Comm 100 Oral Comm]	3	Supporting	Concentration	3	1st Semes	ster	
		16			16	Course	1	Hou
						CIS 110	Programming I	3
Semes	ster		Sophomo	re Year		Math 135	Trigonometry	3
315	Computer Networks	3	1st Semes	ster			Eng. Graphics I	3
350	Data Structures	3	CIS 310	Database Mgmt Sys I	3	CORE	[Comm 100 Oral Comm]	3
th 300	Fund of Math Thought	3	CIS	Professional Elective (1A)	3	CORE	[Eng 101 Eng Comp I (WI)]	3
RE	[Kine 103 Lifetime Wellness]	2	Acct 201	Principles of Accounting I	3			1
RE	[Kine 101 Physical Activity]	1	CORE	[Phys 100 Phys Sci]	5	Psy 120	College Orientation	
					3			16
RE	[Area 2A. Fine Art]	3	Supportin	g Concentration				
		15			17	2nd Seme		
						CIS 210	Programming II	3
nior Yea	ar		2nd Seme			CADD 115	Introduction to CADD	3
Semes	ter		CIS 350	Data Structures	3	CORE	[Area 2A. Fine Art]	3
345	UNIX System Admin	3	CIS	Professional Elective (1B)	3	CORE	[Eng 102 Eng Comp II (WI)]	3
370	Adv Object Oriented Prog	3	CIS	Professional Elective (2A)	3	CORE	[Bio 101 General Biology]	4
th 371	Intro to Oper Research (WI)	3	Acct 202	Principles of Accounting II	3			16
RE	[Bio 101 General Biology]	4	General E		3			
RE	[Hist 110 U.S. History]	3			15	Sophomo	re Vear	
	[	16						
		10	Junior Ye	ar		1st Semes		
4 0	octor		1st Seme			CIS 310	Database Mgmt Sys I	3
Seme		0			2		Descriptive Geometry	3
302	Information Systems I (WI)	3	CIS 370	Adv Object Oriented Prog	3		Eng. Graphics II	3
	Intro to Numerical Analysis	3	CIS	Professional Elective (2B)	3	CORE	[Kine 101 Physical Activity]	1
th Elect	tive (Numbered above 320)	3	CORE	[Comm 100 Oral Comm]	3	CORE	[Kine 103 Lifetime Wellness]	2
RE	[Area 5A. International]	3	CORE	[Area 2C. Lit/Humanity]	3	General E	lective	3
DRE	[PSc 120 Govt: US/St/Loc]	3	CORE	[Hist 110 U.S. History]	3			15
		15			15			
						2nd Seme	ester	
nior Ye	ar		2nd Seme			CIS 315	Computer Networks	3
Semes	ster		CIS 302	Information Systems I (WI)	3	CIS 350	Data Structures	3
3 410	Information Systems II	3	CIS 315	Computer Networks	3	CADD 210	Technical Illustration	3
3 450	Operating Systems (WI)	3	CORE	[Econ 180 Amer Econ Sys]	3	CAMT 100	Intro to Mach Tool Proc	3
th 351	Linear Algebra	3	CORE	[PSc 120 Govt:US/St/Loc]	3	CORE	[Econ 180 Amer Econ Sys]	3
RE	[Econ 180 Amer Econ Sys]	3	Supportin	g Concentration	3	00112	[20011 100 / miler 20011 Gye]	15
RE	[Hist 120 U.S. History]	3		9	15			
neral E		1				Junior Ye	ar	
noral L	1001110	16	Senior Y	ear				
		10	1st Seme			1st Semes		,
d Seme	eter		CIS 345	UNIX System Admin	3	CIS 345	UNIX Sys Admin	
		2		,	3		4 Industrial Statics	(
	Database Mgmt Sys II (WI)	3		Information Systems II			Adv Object Oriented Prog	- 5
	tive (Numbered above 320)	3	CIS 450	Operating Systems (WI)	3		Modern Manufacturing Proc	
	Phys Elective	3	CORE	[Hist 120 U.S. History]	3	CORE	[Area 2C. Lit/Humanity]	1
RE	[Area 2B. Literature]	3	General E	elective	3			1
RE	[Area 2C. Lit/Humanity]	3			15			
		15				2nd Seme	ester	
			2nd Sem			CIS 302	Information Systems I (WI)	
			CIS 425	Database Mgmt Sys II (WI)	3		O Computer Aided Drafting	
chelo	r of Science in CIS -		CORE	[Area 5A. International]	3	CORE	[Phys 100 Fund of Phys Sci]	
jor Cod			CORE	[Area 2B. Literature]	3	CORE	[Hist 110 U.S. Hist]	
				g Concentration	3	General E		
omial	ion Technology Major		General E	0	3	General E	Jeduve	10
	Vace		Goriolar		15			
Somo						Senior Ye	ar	
Semes		Цали						
urse		Hours				1st Seme		
S 110	Programming I	3				CIS 450	Operating Systems (WI)	
th 130	College Algebra	3				CIS 410	Information Systems II	4
DRE	[Eng 101 Eng Comp I (WI)]	3				MIMS 310	Comp Prod/Planning Contro	1 3
DRE	[Psy 100 Gen Psychology]	3				CORE	[Hist 120 U.S. History]	(
DRE	[Kine 101 Physical Activity]	1				CORE	[Area 2B. Literature]	(
DRE	[Kine 103 Lifetime Wellness]							1
y 120	College Orientation	1						
	3	16						

### **Computer Information Science / 197**

			GUIII	Juler	IIIIUTIII	ation Science /	19/
2nd Semester		Senior Ye	ar		Associa	te of Science in CIS -	
CIS 425 Database Mgmt Sys II (WI)	3	1st Semes					
CORE [Psy 100 Gen Psychology]	3	CIS 410	Information Systems II	3	Major Coo		
CORE [Area 5A. International]	3	CIS 450	Operating Systems (WI)	3	intormat	ion Systems Major	
CORE [PSc 120 Gov't:US/St/Loc]	3		Comp Prod/Plan Control	3			
General Elective	4	CORE			Freshman		
deficial Elective			[Hist 120 U.S. History]	3	1st Semes	ster	
	16	General E	lective	3	Course		Hours
				15	CIS 110	Programming I	3
					Math 130	College Algebra	3
Bachelor of Science in CIS -		2nd Seme			CORE	[Eng 101 Eng Comp I (WI)]	] 3
Major Code 5109		CIS 425	Database Mgmt Sys II (WI)		CORE	[PSc 120 Gov't:US/St/Loc]	
Computer Technology Major (CA	MT)	CORE	[Psy 100 Gen Psychology]	3	CORE	[Area 4C.]	3
	1	CORE	[Area 5A. International]	3	Psy 120	College Orientation	1
reshman Year		CORE	[PSc 120 Gov't:US/St/Loc]	3	. 0,0	conege chomanon	16
st Semester		General E	lective	3			
Course	Hours			15	2nd Seme	ster	
CIS 110 Programming I	3				CIS 210	Programming II	3
Math 135 Trigonometry	3				CIS 210		
CAMT 100 Intro to Mach Tool Pro	3	Associat	e of Science in CIS -			Information Systems I (WI)	
		Major Cod			Acct 201	Principles of Accounting I	3
CADD 110 Eng Graphics I	3	,			CORE	[Area 2A. Hum/Fine Art]	3
CORE [Eng 101 Eng Comp I (WI)]	3	Network	Systems Administration	1	CORE	[Phys 100 or Bio 101]	4-5
sy 120 College Orientation	1						16-17
	16	Freshman					
		1st Semes	ter		Sophomo	re Year	
nd Semester		Course		Hours	1st Semes	ster	
CIS 210 Programming II	3	CIS 110	Programming I	3	CIS 230	RPG	
CADD 115 Introduction to CADD	3	Math 130	College Algebra	3	OR		
CAMT 105 Precision Machining	3	CORE	[Eng 101 Eng Comp I (WI)]		CIS 234	COBOL	3
AMT 160 Inspect & Gage	3	CORE	[Comm 100 Oral Comm]	3	CIS 310	Database Mgmt Sys I	3
CORE [Eng 102 Eng Comp II (WI)]		CORE	[Area 4A. U.S. History]	3	CIS 370	Adv Object Oriented Prog	3
[Eng for Eng Comp ii (VVI)]	15	Psy 120	College Orientation	1	CIS 410	Information Systems II	3
	10	1 3y 120	Conege Offeritation	16	Acct 202	Principles of Accounting II	3
onhomore Vest				10	CORE		
ophomore Year		and Com-	otor		CORE	[Kine 101 Physical Activity]	
st Semester	0	2nd Seme		0			16
IS 310 Database Mgmt Sys I	3	CIS 210	Programming II	3	0 10		
ADD 130 Eng Graphics II	3	CIS 315	Computer Networks	3	2nd Seme		
ORE [Comm 100 Oral Comm]	3	CORE	[Area 2A. Hum/Fine Art]	3	CIS 321	Advanced RPG	
ORE [Kine 101 Physical Activity]	1	CORE	[Phys 100 or Bio 101	4-5	OR		
ORE [Kine 103 Lifetime Wellness]	] 2	General El	ective	3	CIS 334	Advanced COBOL	3
ORE [Bio 101 General Biology]	4		1	6-17	CIS 425	Database Mgmt Sys II (WI)	3
371	16				CORE	[Comm 100 Oral Comm]	3
		Sophmore	Year		CORE	[Area 4A. U.S. History]	3
nd Semester		1st Semes			CORE	[Kine 103 Lifetime Wellness	
CIS 315 Computer Networks	3	CIS 320	NetWare LAN Admin	3	General El	-	1-2
CIS 350 Data Structures	3	CIS 345	UNIX System Admin	3	General Li		15-16
			,				3-10
AMT 150 Materials and Processes	3	CIS 370	Adv Object Oriented Prog	3			
CORE [Econ 180 Amer Econ Sys]	3	CORE	[PSc 120 Gov't:US/St/Loc]	3			
ORE [Area 2A. Fine Art]	3	CORE	[Area 4C.]	3		e of Science in CIS -	
	15			15	Major Cod		
					Website	Administration	
unior Year		2nd Semes					
st Semester		CIS 310	Database Mgmt Sys I	3	Freshman	Year	
IS 345 UNIX System Admin	3	CIS 325	Windows LAN Admin	3	1st Semes		
IS 370 Adv Object Oriented Prog	3	CIS 355	Computer Networks II	3	Course		Hours
AMT 200 Computer Numerical Contro		CORE	[Kine 101 Physical Activity]	1	CIS 110	Programming I	
ORE [Area 2C. Lit/Humanity]	3	CORE	[Kine 103 Lifetime Wellness			Programming I	3
ORE [Area 2B. Literature]	3	General El		4-5	Math 130	College Algebra	3
eneral Elective	1	General El		16-17	CORE	[Area 4A. U.S. History]	3
eneral Licotive	16			13-17	CORE	[Eng 101 Eng Comp I (WI)]	
	10				CORE	[Comm 100 Oral Comm]	3
10					Psy 120	College Orientation	1
nd Semester							16
IS 302 Information Systems I (WI)	3						
AMT 250 Computer Assisted Mftg	3				2nd Semes	ster	
ORE [Phys 100 Phys Sci]	5				CIS 210	Programming II	3
ORE [Hist 110 U.S. History]	3				CIS 308	Website Administration I	3
eneral Elective	3				CIS 308	Computer Networks	3
	17					•	
					CORE	[Phys 100 or Bio 101	4-5
					CORE	[Area 2A. Hum/Fine Art]	3
						1	6-17

### 198 / Computer Information Science

Sophmore	Year				
1st Semest	er				
CIS 340	Website Administration II	3			
CIS 345	UNIX System Admin	3			
CIS 370	Adv Object Oriented Prog	3			
CORE	[Area 4C.]	3			
General Ele	ective	3			
		15			
2nd Semes	ster				
CIS 310	Database Mgmt Sys I	3			
CIS 325	Windows LAN Admin	3			
CORE	[Kine 101 Physical Activity]	1			
CORE	[Kine 103 Lifetime Wellness]	2			
CORE	[PSc 120 Gov't:US/St/Loc]	3			
General Electives 4					
	16-17				

For additional information contact:

Dr. Jack L. Oakes

Office: Matthews Hall 223E

Phone: 417.625.9683

E-mail: oakes-j@mail.mssc.edu

### **Course Descriptions**

CIS 105 (F, S)

3 hrs. o

### Introduction to Microcomputer Use

Instruction in the fundamental use of microcomputers through packaged software and operating systems. The student is introduced to word processing, spreadsheets, and presentation tools to aid in productivity and to develop a degree of confidence in the use of microcomputers.

CIS 110 (F, S)

3 hrs. cr.

Programming I

Introduces programming in a personal computer based environment. The student will learn the fundamentals of PC hardware, operating systems, and programming. Special emphasis is placed on proper program style, including modularity and structured design. The language of implementation is C++. Corequisite: Math 130 or above.

CIS 210 (F, S)

3 hrs. cr.

Programming II

Continued development of the programming and problem solving skills introduced in CIS 110. Structured programming and the object-oriented paradigm are emphasized. Includes an in-depth coverage of pointers, strings, arrays, structures, and files. Introduces linked lists, stacks, and queues. The language of implementation is C++. Prerequisite: CIS 110 with a grade of "C" or above.

CIS 230 (S)

3 hrs. cr.

Report Program Generation (RPG)

Introduces the programming language RPG in an OS/400 environment. Includes language syntax and practice in preparing, compiling, and executing applications of increasing complexity. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 234 (F)

3 hrs. cr.

### Business Data Processing Techniques (COBOL)

Methods and techniques for solving business related problems using the business oriented language COBOL. Applications may include payroll processing, inventory control, billing systems. Syntax of the language, report production using both sequential and indexed files, and structured methodologies are major topics. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 298 (Demand)

1-3 hrs. cr.

### Selected Topics in Computer Information Science

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisites may be specified in each course syllabus.

CIS 302 (S)

3 hrs. cr.

Information Systems I (Writing Intensive) Introduces students to the art of solving business problems with information. Develops an understanding of an organization's information requirements, and how information systems facilitate the management of the enterprise. Emphasizes the student's ability to clarify problem statements and define specific objectives, while introducing standard systems analysis methodologies. Prerequisite: (Eng 102 or 111 with a grade of "C" or above) and (CIS 110 or CIS 305 or MM 237 with a grade of "C" or above).

CIS 305 (F, S)

3 hrs. cr.

#### **Microcomputer Applications**

Provides an overview of the most common environment and software tools for the serious user of microcomputers. Hardware topics are included to allow the student to compare and select from system configurations according to their application's requirements. An introduction to the basic elements of an operating system and a graphic user interface is followed by intensive practice with the major components of an integrated software suite of applications; word processing, spreadsheets, graphics, and presentation software. A variety of data communications topics are included from the use of a local area network through connections to a world-wide system. Prerequisite: CIS 105 (or higher) or MM237 or CADD 115 or consent of the department head.

CIS 308 (S)

3 hrs. cr.

### Website Administration I

Provides an introduction to the administration of a World Wide Web site. Includes Internet concepts, design strategies, graphic and multimedia construction, legal and ethical implications, dynamic HTML, and client side scripting. Prerequisite: CIS 110 with a grade of "C" or above.

CIS 310 (F, S)

3 hrs. cr.

### **Database Management Systems I**

Introduces the fundamentals of database management, relational database management systems, and programming for GUI. Database topics covered include entities, attributes, relationships, transactions, queries, and integrity rules. Server side database concepts are illustrated with MS Access. The client side user interface and business logic is implemented in Visual Basic. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 315 (S)

3 hrs. cr.

### **Computer Networks**

Introduces the hardware and software that are integrated to form a computer network. Topics include an in depth look at TCP/IP, data communication hardware, public networks such as the Internet, and LAN and WAN network standards. Co-requisite: CIS 110 or CIS 305 or CADD 115 or MM 237.

CIS 320 (F)

3 hrs. cr.

#### **NetWare LAN Administration**

Provides a thorough introduction to the design, installation, and management of Novell local area networks. Network configuration, security, backup, and recovery are major topics. User rights and privileges, file and device sharing, and printing are also covered. Prerequisite: CIS 110 or CIS 315, with a grade of "C" or above.

CIS 321 (F)

3 hrs. cr.

### **Advanced RPG**

Emphasizes on-line programming of business applications. Major topics include file creation and maintenance, structured methodologies, advanced features of RPG 4/ILE, IBM OS/400 environment, CL programming, Queries, DB2/400 and Internet application connectivity. Prerequisite: CIS 230 with a grade of "C" or above.

CIS 325 (S)

3 hrs. cr.

### Windows LAN Administration

Provides a thorough introduction to the design, installation, and management of Microsoft Server local area networks. Network configuration, security, backup, and recovery are major topics. User rights and privileges, file and device sharing, and Web applications are also covered. Prerequisite: CIS 110 or CIS 315, with a grade of "C" or above.

CIS 330 (Demand)

3 hrs. cr.

Assembly Language

Provides an introduction to low-level machine architecture and assembly language programming in the microcomputer. The topics include data representation, instruction set, program logic, and problem solving. In addition to the assembly, linking, and execution of programs; debugging, optimization, and interfacing to high-level languages will be practiced. Prerequisite: CIS 210 with a grade of "C" or above.

### Computer Information Science, Criminal Justice Administration / 199

CIS 334 (S)

3 hrs. cr.

#### **Advanced Structured COBOL**

On-line programming and special considerations implicit in real time business applications are studied. Creation and maintenance of indexed and sequential files and advanced features of COBOL are major topics. CICS and mainframe environments are introduced. Prerequisite: CIS 234 with a grade of "C" or above.

CIS 340 (F)

3 hrs. cr.

#### Website Administration II

Continued development of subjects related to the administration of a World Wide Web site. Emphasizes server-side programming issues. Particularly concerned with the creation and maintenance of a commercial site. Includes syntax and practice in ASP, CSS, CGI/Perl, VBScript, JavaScript, and XML. Prerequisite: CIS 308 and CIS 310, with a grade of "C" or above.

CIS 345 (F)

3 hrs. cr.

### **UNIX System Administration**

Introduces the UNIX operating system. Topics covered include basic UNIX commands, system configuration, the file system, process control, shell programming, the network file system, CGI programming, and system security. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 350 (S)

3 hrs. cr.

#### **Data Structures**

Provides for the continued development of the student's knowledge of data structures and object-oriented programming. Includes an in-depth coverage of pointers, linked lists, stacks, queues, trees, and graphs. Special emphasis is placed on the coverage of algorithms that are designed to efficiently manipulate these structures and techniques for selecting the most appropriate data structures for a given application. The language of implementation is C++. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 355 (S)

3 hrs. cr.

### **Enterprise Network Administration**

Covers enterprise inter-networking, Major topics include server and workstation platforms, network operating systems and clients, client/server computing, interconnecting LANs, routing, firewalls and security, performance analysis, communication hardware, and troubleshooting of hardware components. Prerequisite: CIS 315 and CIS 345 with a grade of "C" or above. Corequisite: CIS 320 or CIS 325.

CIS 360 (Demand)

3 hrs. cr.

#### **Computer Graphics**

Introduces interactive computer graphics programming including windowing, clipping, two and three dimensional transformations, perspective projections, curved surface modeling, light, and color. The functional capabilities of computer graphics systems and their applications will be covered. Prerequisite: Math 150 and CIS 210, with a grade of "C" or above.

CIS 370 (F)

3 hrs. cr.

Advanced Object Oriented Programming Continued development of the object paradigm introduced in CIS 210. Applications and problems considered include graphical user interfaces, exception handling, Internet programming, and multimedia. The language of implementation is Java. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 401 (F, S)

1-3 hrs. cr.

### Internship in Computer Information Science

A limited number of computer information science students may serve an internship of 15 to 20 hours per week for up to 16 weeks. Credit hours will be arranged through the coordinator of the internship program. The intern will work for a local-cooperating firm in a production data processing environment gaining valuable experience in programming and/or systems analysis and design. The on-site work will be supervised by a professional employee of the firm and overseen by an MSSC faculty member. Prerequisite: Upper division standing, department head approval, and an overall GPA of 3.00.

CIS 410 (F)

3 hrs. cr.

### Information Systems II

Continued development of the ability to analyze and design computer-based information systems. Includes coverage of analysis and design methodologies, computer-aided software engineering tools, and project management techniques. Topics are illustrated with in-depth case studies. Emphasizes teamwork. Prerequisite: CIS 302 with a grade of "C" or above.

CIS 425 (S)

3 hrs. cr.

### **Database Management**

Systems II (Writing Intensive) Includes a survey of database management theories with experience in the application of database technology. An emphasis will be placed on the relational model. Functions of database management systems, data modeling, and database systems design and implementation in a client/server environment are stressed through case studies. Prerequisite: CIS 310 and CIS 410, with a grade of "C" or above

CIS 430 (Demand)

3 hrs. cr. Introduction to Artificial Intelligence

Introduces the process of developing intelligent computer software. Topics covered include knowledge abstraction and representation, heuristic search techniques, game playing, expert sys-

tems, and meta-programming. Prerequisite: CIS 350 with a grade of "C" or above.

CIS 450 (F)

3 hrs. cr.

**Operating Systems** (Writing Intensive) Fundamental concepts of operating system design. Emphasis is placed on identifying the problems an operating system must solve and considering the range of alternative solutions that may be implemented. Topics include process management, memory management, processor

management, auxiliary storage management, and security. The Linux operating system is highlighted. Prerequisite: CIS 345 and CIS 350, with a grade of "C" or above.

CIS 498 (Demand)

1-3 hrs. cr.

### Seminar in Computer Information Science

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisite: May be specified in each course syllabus.

CIS 499 (Demand)

1-3 hrs. cr.

### Independent Study

The adviser, with approval of the department head, structures an independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The adviser, the department head, and the dean of the school must approve registration in the course.

### **Criminal Justice** Administration

Justice Center 109, 417.625.9302

Faculty Wolf-Director, Hamlin, Hulderman, Scott, Spencer, Spurlin, Thomason

"Justice Through Education" is the motto of the Criminal Justice Administration Department at Missouri Southern State College. The Criminal Justice Administration program offers academic training coupled with "real world" practical training for students pursuing careers as criminal justice professionals. The Criminal Justice program provides a varied and flexible curriculum, small classes, faculty who provide individual academic attention, international educational opportunities and a unique learning environment.

The Criminal Justice Administration Department offers two degrees, the bachelor of science in criminal justice administration and the associate of science in law enforcement. Additionally, the department offers three minors: criminal justice administration, juvenile justice and corrections.

The Criminal Justice Administration program offers a varied curriculum to meet the needs of a diverse student body. program prepares students for a wide vari-

### 200 / Criminal Justice Administration

ety of careers as criminal justice professionals as well as graduate programs in law, criminal justice and other related fields. The Criminal Justice program prepares students for careers in traditional fields such as law enforcement, juvenile justice, corrections, probation and parole, and private or industrial security. The program also prepares students for investigative positions with federal agencies, state and local agencies, insurance companies and other private enterprises. In addition, a criminal justice administration degree will prepare students for the many new opportunities in the areas of safety and security.

The Criminal Justice Department offers a flexible curriculum to serve the needs of the student body. In addition to day, evening and weekend courses, students can obtain the bachelor of science degree and the associate of science degree over the Internet. The many hybrid courses combine the benefits of the classroom experience with the flexibility of the Internet courses by meeting on campus weekly, monthly or at other intervals, but conducting much of the course via the Internet. The Department offers criminal justice professionals who have experience in the field college credit for work experience through the portfolio process. The Department also recommends that all students participate in the internship program, where students receive college credit for working side by side with practicing criminal justice professionals.

The small classes, current technology and experienced faculty provide for a unique learning environment. Our faculty members are attentive to student needs, and strive to prepare students for challenging criminal justice careers. They have over 125 years of combined practical experience in criminal justice fields, including experience as law enforcement officers, juvenile officers, assistant prosecutors, legal advisers, criminal investigators, child abuse investigators, corrections administrators and security administrators.

The Criminal Justice Department emphasizes the international mission and provides students with opportunities to study and travel abroad to view firsthand other criminal justice systems around the globe. Our faculty and students have explored the justice systems in England, France, Australia, New Zealand, Morocco, Italy, Israel and Spain. In the first five years since the international mission was implemented, more than 200 criminal justice students have studied abroad.

The state-of-the-art Mills Anderson Justice Center is the busy home of the Criminal Justice Administration Department at Missouri Southern State College. The facility features a modern indoor "live-fire" firearms range and two computerized shooting systems. The auditorium provides a forum for lectures and meetings as well as for advanced training seminars for practicing criminal justice professionals. These seminars are taught by nationally recognized criminal justice professionals, allowing students to learn from the experts and mingle with potential employers.

The Criminal Justice Department at Missouri Southern State College also operates the 600 hour Basic Law Enforcement Training Academy. (See Law Enforcement page 205)

The Criminal Justice Administration degree will allow students to take advantage of the many current career opportunities as well as the multitude of new opportunities in criminal justice, especially in the areas of homeland and global safety and security.

### Bachelor of Science in Criminal Justice Administration

	Semester F	lours
Core Requ	uirements (p. 33)	51
Criminal J	ustice Requirements	24
LE 100	Introduction to	
	Criminal Justice	3
LE 210	Criminal Procedure	3
LE 250	Criminal Law	3
CJAd 275	The Juvenile Justice	
	System	3
LE 280	Interview and Report	
	Writing (WI)	3
LE 232	Ethics In Criminal Justice	3
		18

### Select one from the following:

CJAd 230	Introduction to Security	3
CJAd 325	Physical Security	3
CJAd 330	Loss Prevention	
	Techniques	3

#### Select one from the following:

CJAd 320	Probation and Parole	3
CJAd 412	Correctional Practices (WI)	3

The student must also select a minimum of 23 credit hours from the following list of major course electives: (Students may not count classes that were selected in the above area.)

Basic Law Enforcement

LF 180

LE 180	Basic Law Enforcement		
	Academy*#	13	
LE 181	Basic Law Enforcement		
	Academy II*#	13	
LE 190	First Responder	2	
LE 200	Criminal Investigation I	3	
LE 225	Patrol Procedures	3	
LE 260	Legal/Tech. Aspects		
LL 200	of Firearms	3	
LE 290	Police Supervision	0	
LE 290	and Management	3	
1 5 000		1-8	
LE 298	Special Topics*		
CJAd 210	Basic Photography	3	
CJAd 230	Introduction to Security	3	
LE 230	Community Policing	3	
CJAd 300	Criminal Invest. II (WI)	3	
CJAd 301	International Justice		
	Systems	3	
CJAd 310	Traffic Accident Invest		
	and Control	3	
CJAd 320	Probation and Parole*	3	
CJAd 325	Physical Security	3	
CJAd 330	Loss Prevention		
	Techniques	3	
CJAd 331	Administration of Securi	ty	
	Systems*	3	
CJAd 350	Fish/Game Enforcemen	nt 3	
CJAd 360	Professional Developmen	nt 2	
CJAd 370	International Terrorism	3	
CJAd 390	Crime Analysis	3	
CJAd 400	Homicide Investigation	3	
CJAd 410	Juvenile Procedures	3	
CJAd 411	Juvenile Corrections* (V	VI)3	
CJAd 412	Correctional Practices (V		
CJAd 430	,	3	
CJAd 440	Victims and the Crimina	1	
00710	Justice System	3	
CJAd 450		3	
CJAd 460		3	
CJAd 490	Internship in Criminal		
307 tu 400	Justice Administration*	4-8	
CJAd 498			
00Au 430	Justice Administration*	1-3	
CJAd 499	Independent Study*	1-3	
OJAU 499	maepenaem olady	2	
			į

\*See course descriptions for prerequisites. #Only 13 hours of the Basic Law Enforcement Academy will be applied to the 26 hour elective requirement.

General electives selected with adviser approval among which must be sufficient upper division courses (courses numbered at the 300 or 400 level) to complete the College requirement for a minimum 40 upper-division hours. A minor is highly recommended.

Electives 26 Total 124

### Criminal Justice Administration / 201

### Minor in Criminal **Justice Administration**

The minor consists of 21 hours of course work which includes: LE 100 Introduction to Criminal Justice, LE 210 Criminal Procedure, LE 250 Criminal Law and 12 additional hours of LE or CJAd courses, nine of which must be upper division.

### Suggested Order of Study

**Bachelor of Science Degree** Major Code 2105 **Criminal Justice** Administration Major

Freshman Year

1st Semester Course

	Tiours	
LE 100	Intro. to Criminal Justice	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Eng 101 Comp I]	3
Computer l	Literacy Requirement	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		16

2nd Semester

LE 275	The Juvenile Justice System	3
CORE	[Eng 102 Comp]	3
LE 232	Ethics in Criminal Justice	3
Math	Intro College Math or higher	3
CORE	[Bio 101 General Biology]	4
		16

Sophomore Year

1st Semeste	er	
LE 250	Criminal Law	3
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
LE 280	Interview and Report Writing	3
CJAd	Required Course	3
		17

2nd Semester Criminal Procedure LE 210

3 CJAd Required Course 3 3 Psy 100 [General Psychology] [Econ 180 Amer Econ Sys] 3 CORE CORE [Literature] 3 15

Junior Year

1st Semester CJAd Elective Elective [Internl] Study CORE [A minor is suggested] Elective [PSc 120 Gov't: U.S/Sta/Loc] 3 CORE CORE [Elective-Fine Art]

3

3

3

3

15

2nd Semester			
CJAd	Elective	3	
CORE	[Fine Art]	3	
Elective	[A minor is suggested]	3	
CORE	[Hist 120 U.S. History]	3	
Elective	[A minor is suggested]	3	
		15	

Conian Vaan

Senior re	ar	
1st Semes	ster	
CJAd	Elective	3
CJAd	Elective	3
CJAd	Elective	3
Elective	[A minor is suggested]	3
Elective	[A minor is suggested]	3
		15

2nd Semester CJAd Elective CJAd Elective

**CJAd** Elective [A minor is suggested] Elective Elective [A minor is suggested]

[Department Recommendations] All electives must be approved by a CJAd adviser prior to enrollment.

For additional information contact: Criminal Justice Department Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302 E-mail: wolf-b@mail.mssc.edu

### **Corrections**

Justice Center 109, 417.625.9302

**Faculty** Wolf - Head, Scott, Spencer, Gubera

A minor in Corrections is designed to prepare students who are seeking careers in the field of adult or juvenile corrections. Corrections offers students a variety of employment possibilities in local, state, and federal agencies. These employment opportunities include juvenile or adult probation and parole officer, pretrial or post-trial investigator, detention officer, corrections specialist, or corrections caseworker. Students majoring in criminal justice, psychology, sociology or other related fields who have a desire to work in the field of corrections will find this minor beneficial.

A minor in Corrections consists of 24 credit hours. Students must a have a faculty adviser for a minor in Corrections.

### Minor in Corrections

	Semester H	ours
LE 210	Criminal Procedure	3
CJAd 320	Probation and Parole	3
CJAd 411	Juvenile Corrections	3
CJAd 412	Correctional Practices	3
Soc 351	Criminology	3
Soc 362	Deviant Behavior	3
Soc 391	Penology and Corrections	3
Psy 221	Psychology of Personal	
	Adjustment	3
		24

For additional information contact:

Dr. C. Blake Wolf

3

3 3

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3

15

Office: Justice Center 109 Phone: 417.625.9302

E-mail: wolf-b@mail.mssc.edu

# **Juvenile Justice**

Justice Center 109, 417.625.9302

Faculty Wolf - Head, Scott, Spencer, Gubera

A minor in Juvenile Justice is designed to prepare students who are seeking careers in the Juvenile Justice System. Adjudication and aftercare of the juvenile offender as well as child protection are the primary emphases of a minor in Juvenile Justice.

Students majoring in criminal justice, psychology, sociology or other related fields who have a desire to work in the Juvenile Justice system will find this minor beneficial. Juvenile officer, child abuse investigator, and group home counselor, are just a few of the employment options available to a graduate with a Juvenile Justice minor.

A minor in Juvenile Justice consists of 24 credit hours. Students must a have a faculty adviser for a minor in Juvenile Justice.

### 202 / Criminal Justice Administration

### Minor in Juvenile Justice

Semester Hours

LE 250	Criminal Law	3
CJAd 275	Juvenile Justice System	3
CJAd 320	Probation and Parole	3
CJAd 410	Juvenile Procedures	3
CJAd 411	Juvenile Corrections	3
CJAD 430	Family Violence	3
Soc 312	Juvenile Delinquency	3

### Select one from the following:

Psy 300	Child Development	3
Psy 301	Adolescent Development	3

For additional information contact:

Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302

E-mail: wolf-b@mail.mssc.edu

### Course Descriptions

CJAd 210 (Demand)

Basic Photography

3 hrs. cr.

24

Lecture and laboratory procedures for use of cameras, lenses, developing negatives and prints. No credit if LE 245 has been completed. Lab fee and additional lab time arranged.

CJAd 230 (S)

3 hrs. cr.

Introduction to Security

Overview of the security industry and its role in loss prevention. Public versus private security roles for retail business, industrial and governmental protection. Basic principles such as target hardening and current problems.

CJAD 275 (F,S)

3 hrs. cr.

The Juvenile Justice System

The Juvenile Justice System is a survey course that is designed to introduce the student to the organizations, processes and actors that comprise the Juvenile Justice System. The course emphasizes the history of the juvenile justice system, the agency interactions and interrelationships, the concepts of prevention and diversion, the development of juvenile gangs, the roles of criminal justice professionals, and the future of the Juvenile Justice System.

CJAd 298 (Demand)

1-8 hrs. cr.

### Special Topics in Criminal Justice Administration

Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration. Precise topics are announced with prerequisites stipulated in the course syllabus. CJAd 300 (S)

3 hrs. cr.

**Criminal Investigation II** (*Writing Intensive*) Major case investigative methods, sources of information, development of leads, methods applicable to organized crime and specific offenses. Prerequisite: Eng. 102 or 111

CJAd 301 (F,S)

3 hrs. cr.

International Justice Systems

A study of justice systems around the world, comparing them to America's justice system. Course considers the three important components of a justice system: police, courts, and corrections. Includes cultural differences of the countries studied as they relate to their justice systems.

CJAd 310 (F)

3 hrs. cr.

### Traffic Accident Investigation and Control

Theory and techniques for investigating and reducing occurrence of motor vehicle accidents. Includes collection and evaluation of physical evidence reporting.

CJAd 320 (S)

3 hrs. cr.

**Probation and Parole** 

Study of the entire system of probation and parole internationally, nationally, and locally. Prepares students for the state merit exam in probation and parole. Study of pre-sentence investigation methods, predicting parole behavior, supervisory practices, legal aspects, the use of amnesty and pardons. Prerequisites: LE 100

CJAd 325 (S)

3 hrs. cr.

**Physical Security** 

Physical aspects of the security industry and its role in loss prevention for retail business, industrial and governmental protection. Consideration of barriers and perimeter protection, alarm systems, computer and hazardous materials protection and survey techniques.

CJAd 330 (Demand)

3 hrs. cr.

**Loss Prevention Techniques** 

Security techniques in loss prevention for retail business, industry, governmental protection, hotel and motel, hospital, school, transit systems and utilities.

CJAd 331 (Demand)

3 hrs. cr.

Administration of Security Systems

The security administrator's role in business, industrial and governmental protection. Organizing, training, managing and designing security programs. Prerequisites: CJAd 230, CJAd 325 or CJAd 330 or instructor's permission.

CJAd 350 (Demand)

3 hrs. cr.

Fish and Game Enforcement

Problems and procedures encountered and used by conservation enforcement officers. Laws and enforcement procedures.

CJAd 360 (Demand)

2 hrs. cr.

**Professional Development** 

Development of employability and career skills will be emphasized focusing on tools necessary for employment, communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

CJAD 370 (Demand)

3 hrs. ci

International Terrorism (Writing Intensive) International Terrorism examines the known facets of contemporary terrorism. Analyzes the laws and special forces/law enforcement agencies which nations within the international community have created to meet the challenge of international terrorism. Examines anticipated patterns of terrorism in the new century. Emphasis on legal and security measures designed to prevent terrorism. Prerequisites: Junior standing or above or permission of instructor.

CJAd 390 (F)

3 hrs. cr.

**Crime Analysis** 

A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences and the initiation of target profile analysis. Prerequisites: Upperclass standing.

CJAd 400 (Demand)

3 hrs cr

**Homicide Investigation** 

Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal or criminal cause.

CJAd 410 (F)

3 hrs. cr.

**Juvenile Procedures** 

Examines the evolution of the juvenile justice system as well as current practice and procedure in juvenile and family courts. Focus on law, jurisdiction, constitutional requirements and court rules. Also considers topics such as juvenile gangs, child abuse and neglect, child custody and status offenders.

CJAd 411 (S)

3 hrs. cr.

Juvenile Corrections (Writing Intensive)
Overview of the design and legal requirements of
juvenile correctional institutions including an
analysis of the juvenile interstate compact laws
and management principles of juvenile correctional institutions. Prerequisite: Eng 102 or 111.

CJAd 412 (F)

3 hrs. cr.

Correctional Practices (Writing Intensive) History of corrections as it relates to correctional practices. In-depth study of the rights of the incarcerated inmate as well as the powers and duties of the correctional officer. Prerequisites: LE 100 and Eng 102 or 111 or permission.

### Criminal Justice Administration, Dental Hygiene / 203

CJAd 430 (Demand)

3 hrs. cr.

**Family Violence** 

Introduces the dynamics of family violence from the perspective of law enforcement. Examines the relationships between victims, offenders and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system.

CJAd 440 (Demand)

3 hrs. cr.

Victims and the Criminal Justice System Introduces the study of victimization. Examines the relationship between victims and the criminal justice system.

CJAd 450 (S)

3 hrs. cr.

#### Criminal Evidence

Rules of evidence, admissibility, presumptions, inferences, burden of proof and exceptions to the hearsay rule. Prerequisite: LE 210, LE 250 or permission.

CJAd 460 (Demand)

3 hrs. cr.

### **Cultural Diversity**

Students seeking cross-cultural knowledge and sensitivity in criminal justice; learn practical methods for dealing with diverse cultures, ethnic groups, and those who are physically, mentally, and emotionally challenged.

CJAd 490 (Arr)

4-8 hrs. cr.

#### Internship in Criminal Justice

Extensive practical experience with an area criminal justice agency, subject to individual committee approval. Not open to those who have taken LE 180. Prerequisite: Junior or senior standing. CJAd major, department approval, overall GPA 2.5 and a CJAd GPA 3.2.

CJAd 498 (Demand)

1-3 hrs. cr.

#### Seminar in Criminal Justice

A survey of current advances in the field. Precise topics to be announced, for upper division majors in CJAd or those who have completed the A.S. degree in law enforcement. Prerequisite: permission of instructor.

CJAd 499 (Arr)

Independent Study in Criminal Justice Individually directed study for advanced majors in area of criminal justice selected with adviser approval. Proposal must be approved by pro-

gram director and school dean. Prerequisite: 3.5 GPA in major area or permission.

### **Dental Hygiene**

Ummel Technology Building 101, 417.625.9709

Faculty Scorse DeTar - Head, Carlton, Moore, Rogers, Strait, White

The dental hygienist is a dynamic health care professional who is the only member of the dental health team, other than the dentist, licensed to provide direct care to the patient. The diverse duties of the dental hygienist are rewarding and include oral prophylaxis (cleaning); exposing, processing and mounting radiographs; collecting and evaluating medical history information; performing head and neck examinations; periodontal assessment and therapy; applying agents for the prevention of decay; applying desensitizing and antimicrobial agents and administering local anesthesia and nitrous oxide analgesia. The dental hygienist also acts as a dental health educator and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental schools; industrial clinics; the armed services; and research institutions.

Missouri Southern offers an associate of science degree in dental hygiene. Upon satisfactory completion, graduates are eligible to take the National Board Examination and practical examinations required for licensure in Missouri and other states. This program is accredited by the American Dental Association.

Admission to Missouri Southern does not automatically grant admission to the Dental Hygiene Program. In addition to meeting admission requirements for the College, candidates must apply for admission to the department of Dental Hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by January 31. Applicants must have an overall GPA of 2.75 to apply, or a GPA of 2.50 with an ACT composite score of 25 or better.

Evidence of satisfactory completion of the following prerequisites with a "C" or better must be presented:

Bio 121 Human Anatomy & Physiology I

Eng 101 **English Composition** 

Math 030 Intermediate Algebra (or higher) Chem 100 Introductory Chemistry

Bio 231 General & Medical Microbiology

Bio 221 Human Anatomy & Physiology II

Comm 100 Oral Communications Kine 103 Lifetime Wellness

Enrollment is limited and applicants are admitted contingent upon a criminal record check, the completion of physical and dental examinations and the rendering of an acceptable health status. Students are admitted to the dental hygiene program only in the fall of each year.

Interested individuals are encouraged to contact the Director of Dental Hygiene for more specific information regarding admissions criteria.

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students, \$500 to \$1000 per semester for laboratory fees. Various expenses for transportation to off campus clinical sites and professional meetings will occur. In addition, approximately \$1000 for licensure exams, which will vary depending on state(s) in which license is desired.

The associate of science in dental hygiene requires a minimum of 89 credit hours, including the prerequisite courses. All courses in the Suggested Order of Study must be completed in the prescribed sequence. Course grades of "C" or above in dental hygiene and supporting science courses are necessary for retention in the dental hygiene program. (The successful dental hygiene applicants tend to be the ones who have completed the majority or all of the science and Core Curriculum courses with the exception of the dental hygiene courses.)

### Associate of Science Degree in Dental Hygiene

Semester Hours

25 Core Requirements (p. 34) **Dental Hygiene Requirements** 64

DH 101 Fundamentals of Dental 4 Hygiene I DH 102 Fundamentals of Dental

4 Hygiene II\*

### 204 / Dental Hygiene

DH 140	Dental Morphology	1
DH 150	Oral Histology and	
	Embryology	3
DH 160	Dental Radiology	2
DH 190	Clinical Dental	
	Hygiene I*	2
DH 200	Dental Health Education	3
DH 210	Perio-Pathology	4
DH 220	Dental Materials	3
DH 290	Clinical Dental Hygiene	II*5
DH 310	Nutrition	2
DH 320	Pharmacology	2
DH 330	Ethics and Community	
	Dentistry*	3
DH 390	Clinical Dental	
	Hygiene III*	5
Bio 231	Medical Microbiology*	5
Bio 240	Radiation Biology*	3
Bio 221	Human Physiology and	
	Anatomy*	5
Chem 100	Introductory Chemistry*	5
Soc 110	Intro to Sociology	3
Psy 100	General Psychology	3
		8

<sup>\*</sup>See course descriptions for prerequisites

### Suggested Order of Study

Associate of Science - over three years Major Code 5203 **Dental Hygiene Major** 

Fall Semest	ter Prerequisites	Hours		
Bio 121	Hum Anatomy/Physiology	1 4		
CORE	[Eng 101 Comp I]	3		
Math 030	Inter Algebra (or higher)	3		
Chem 100	Intro Chemistry (w/lab)	5		
		15		
Spring Semester Prerequisites				
Bio 231	Gen & Med Microbio (w/la	h) 5		

Bio 221 CORE CORE	Hum Anatomy/Physiology II [Comm 100 Oral Comm] [Kine 103 Lifetime Wellnes:	3 s] 2
		15
Fall Semes	ster 1st Year Dental Hygier	ie
DH 101	Fund of Dental Hygiene I	4
DH 140	Dental Morphology	1

Psy 100	General Psychology	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 or MO Const Test]*	3
	12-1	5

Oral Histology & Embr

DH 150

Spring Seme	ester 1st Year Dental Hy	giene
DH 102	Fund of Dental Hygiene II	4
DH 160	Dental Radiology	2
DH 220	Dental Materials	3
DH 310	Nutrition	2
Bio 240	Radiation Biology	3
		14
Summer Ses	ssion 1st Year Dental Hy	giene

Summer	Session	1st Year	Dental	Hygiene
DH 190	Clinic	al Dental I	-lygiene	1 2
DH 210	Perio-	-Pathology	/	4
				6

Fall Seme	ster	2nd Year	Dental	Hygier
DH 200	Dental	Health Ed	ducation	3
DH 290	Clinica	I Dental H	lygiene l	1 5
DH 320	Pharm	acology		2
CORE	[Hist 1	10 or 120]		3
				13

Spring Sem	ester 2nd Year Dental Hy	gien
DH 330	Ethics & Comm Dentistry	3
DH 390	Clinical Dental Hygiene III	5
CORE	[Humanities or Fine Arts]	3
Soc 110	Intro to Sociology	3
	-	14

<sup>\*12</sup> hours if Missouri Constitution Test is passed. [Department Recommendation]

For additional information contact: Sandra A. Scorse DeTar, D.D.S. Office: Technology Building 111-E Phone: 417.625.9709 / 417.625.9600 / 417.625.9711 E-mail: scorse-s@mail.mssc.edu

### **Course Descriptions**

4 hrs. cr. Fundamentals of Dental Hygiene I

Introduction to fundamental theories, principles and procedures necessary to provide dental hygiene services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week.

DH 102 (S) 4 hrs. cr. Fundamentals of Dental Hygiene II

Continuation of DH 101 with further enrichment of skills necessary to perform preventive oral health services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week. Prerequisites: DH 101 with minimum grade of "C" or instructor's permission.

DH 140 (F) 1 hr. cr.

**Dental Morphology** 

Detailed study of morphology of deciduous and permanent teeth in relation to fossal cusps, grooves, ridges, roots and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hr. lecture per week.

DH 150 (F) 3 hrs. cr. Oral Histology and Embryology

Study of the gross and microscopic development of the teeth, supportive structures of the teeth and embryology and anatomy of head and neck region. Two hrs. lecture, 3 hrs. lab per week.

DH 160 (S) 2 hrs. cr.

**Dental Radiology** 

Theory and technique of exposing, developing, mounting and care of dental radiographs. Interpretation of radiograph findings is discussed, principles of radiation safety are emphasized. One hr. lecture, 4 hrs. lab per week.

DH 190 (Summer) 2 hrs. cr. Clinical Dental Hygiene I

Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications, and charting the oral cavity. 16 hours lab per week, 1 hour of lab will be used per week for content and organizational review of course. Prerequisite: DH 102 with minimum grade of "C" and CPR Certification course C.

DH 200 (F) 3 hrs. cr.

**Dental Health Education** 

**Dental Materials** 

Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups and experience in providing dental health education to mentally and physically handicapped and geriatric patients. Three hrs. lecture per week.

DH 210 (Summer) 4 hrs. cr. Perio-Pathology

Lecture periods are devoted to the study of oral pathological conditions, including etiology, degenerative process, inflammation and immunity. Etiology, assessment, treatment and prevention of periodontal disease is stressed. Four hrs. lecture per week.

DH 220 (S) 3 hrs. cr.

Information about various dental materials. Students learn to make alginate impressions, plaster models and manipulate other materials. Required course for dental hygiene curriculum. Prerequisite: DH 101 Fundamentals of Dental Hygiene I with a "C" or above or instructor's permission. Two hrs. lecture, 2 hrs. lab per week.

### **Dental Hygiene, Law Enforcement / 205**

DH 290 (F) 5 hrs. cr. Clinical Dental Hygiene II/Local Anthesia Continuation of DH 190 with added responsibilities as skills develop. Lecture information on advanced dental hygiene techniques and techniques for local anesthesia and pain control. Practical experience in infiltration anesthesia during the laboratory session. Multicultural experience is gained through rotations in extended campus facilities. One hr. lecture, 16 hrs. clinical lab per week. Prerequisites: DH 190 with minimum grade of "C" or instructor's permission.

#### DH 310 (S) Nutrition

Nutrition and diet as related to dental health. biochemistry of digestion and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hrs. lecture per week.

#### DH 320 (F) 2 hrs. cr. Pharmacology

Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action and drug interactions. Emphasis on drugs affecting oral health and drugs used in dentistry. Two hrs. lecture per week.

#### DH 330 (S) 3 hrs. cr. **Ethics and Community Dentistry**

Professional ethics and commitment, professional organizations, state practice acts and practical consideration of methods and problems associated with operating and maintaining a dental practice. Definition and identification of the scope of public and dental public health. Consideration of philosophy; health legislation; federal, state and local health programs; needs and demands for dental care; and mechanisms for financing dental care. Three hrs. lecture per week. Prereguisites: DH 200 with minimum grade of "C."

#### DH 390 (S) 5 hrs. cr. Clinical Dental Hygiene III

Continuation of DH 290. Clinical experience in advanced clinical procedures and dental assisting procedures, including experience in extended campus facilities. Principles of four-handed dentistry in the lecture portion and discussion of the eight recognized dental specialties including their relationship to preventive dentistry. One hr. lecture, 16 hrs. lab week. Prerequisite: DH 290 with minimum grade of "C" or instructor's permission.

### **Law Enforcement**

Justice Center 109, 417.625.9302

Faculty Wolf - Head, Hamlin, Hulderman, Scott, Spencer, Spurlin, Thomason

The associate of science degree in law enforcement helps prepare students for entrance into police work, a field which has become highly specialized and complex at the local, state, and national levels. The College also offers the four-year bachelor of science degree in criminal justice administration. See page 199.

### Associate of Science in Law Enforcement Option A Major Code 5505

Core Requirements (p. 34)

00101104	an ememo (p. e )	
Law Enfor	rcement Requirements	39
Required	Courses 21 hours	
Computer	Literacy Requirement	3
LE 100	Introduction to Criminal	
	Justice Administration	3
LE 210	Criminal Procedure	3
LE 230	Community Policing	3
LE 232	Ethics in Criminal Justice	3
LE 250	Criminal Law	3
LE 280	Interview & Report	
	Writing (WI)	3
		21

Select 9 hours from the list	belo	w:
First Responder	2	
Criminal investigation I	3	
Patrol Procedures	3	
Legal/Tech. Aspects		
Of Firearms	3	
Police Supervision &		
Management	3	
Special Topics	1-3	
Basic Photography	3	
		9
(adviser approved)		9
	First Responder Criminal investigation I Patrol Procedures Legal/Tech. Aspects Of Firearms Police Supervision & Management Special Topics	Criminal investigation I 3 Patrol Procedures 3 Legal/Tech. Aspects Of Firearms 3 Police Supervision & Management 3 Special Topics 1-3 Basic Photography 3

### Option B

LE 290

LE 298

25-26

(For Basic Law Enforcement Academy) Major Code 5506

Required Computer LE 100	Courses Literacy Requirement Introduction to Criminal	3
LE 100	Justice	3
LE 250	Criminal Law	3
LE 180	Basic Law Enforcement	
	Academy	13
LE 181	Basic Law Enforcement	
	Academy II	13
Select 4 h	ours from the list below	
LE 200	Criminal Investigation I	3
LE 210	Criminal Procedure	3
LE 225	Patrol Procedures	3
LE 230	Community Policing	3

Police Supervision &

Management

Special Topics

3

39

1-3

### Suggested Order of Study

### **Associate of Science Degree** Major Code 5505 (Option A) Law Enforcement Major

#### Freshman Year 1st Semester Course Hours CORE [Eng 101 Comp I] 3 CORE 3 [Intro to College Math] Intro to Micro Comp Use 3 Comp 105 LE 100 Intro to Criminal Justice 3 CORE [Psy 120 College Orient] 1 CORE [Kine 101 Physical Activity] 1 16 2nd Semester 2 Elective CORE [Phys 100 Fund of Phys Sci] 5 CORE 3

Interview & Rprt Wrtng (WI)

Sophomore	Year

LE 280

LE 210

39

1st Semeste	er	
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Hist 110 or 120]	3
LE	Elective	3
LE	Elective	3
Elective	Fine Arts Elective	٠3
		17

Criminal Procedure

3

3

16

### 206 / Law Enforcement

2nd Semes LE 250 LE Electives	ter Criminal Law Elective (Adviser Approved)	3 10 <b>16</b>
[Departmen	t Recommendations]	
Criminal Jo Dr. C. Blak Office: Ju Phone: 41	onal information contact: ustice Department se wolf stice Center 109 17.625.9302 lf-b@mail.mssc.edu	
Major Cod	e of Science Degree le 5506 (Option B) rcement Major rcement Academy)	
Freshman 1st Semest		
Course CORE CORE Comp 105 LE 100 CORE CORE	[Eng 101 Comp] [Intro to College Math]	Hour 3 3 3 3 n] 1 1
2nd Semes CORE CORE LE LE 250 CORE	ter [Bio 101 General Biology]  Elective Criminal Law Humanities and Fine Arts	4 3 3 3 3 16
Sophomor 1st Semest CORE CORE CORE LE		3 2 3 4 12
2nd Semes LE 180 LE 181	Basic Law Enforc Acad Basic Law Enforc Acad II	13 13 <b>26</b>
Departmen	t Recommendations]	

For additional information contact: Criminal Justice Department

Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302 Fax: 417.625.9796

E-mail: wolf-b@mail.mssc.edu

### Course Descriptions

E 100 (F, S) 3 hrs. cr. Introduction to Criminal **Justice Administration** 

Municipal, county, state and federal police organizations. History and administration of justice. Responsibilities and opportunities in the field of criminal justice.

LE 180 (F, S) 13 hrs. cr. **Basic Law Enforcement Academy** 

The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director. (Additional lab fee for course.)

LE 181 (F, S) 13 hrs. cr. **Basic Law Enforcement Academy II** 

The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director and LE 180 (Additional lab fee for course.)

LE 190 (Demand) 2 hrs. cr.

First Responder

Provides basic emergency care knowledge and skills to the student. Designed to prepare students to recognize traumatic injuries, and deliver quality emergency medical care to victims.

LE 200 (F) 3 hrs. cr. Criminal Investigation I

An introduction to the basic protocol of crime scene investigation to include first response, diagramming, photography, fingerprinting, and the preservation and collection of physical evidence.

LE 210 (F, S) 3 hrs. cr. **Criminal Procedure** 

Overview of criminal justice process and procedure from first contact with law enforcement through the criminal trial. Topics include "stop and frisk", arrest, search and seizure, interrogation, identification, and the criminal trial.

LE 225 (S) 3 hrs. cr.

**Patrol Procedures** 

Covers numerous areas confronting today's law enforcement officer during tours of duty and the proper techniques and procedures used in handling each area.

LE 230 (F,S) 3 hrs. cr. **Community Policing** 

An introduction to and analysis of theories, techniques, and programs involving police image and public response. Special attention will be paid to problems of crime prevention, community oriented problem solving policing, police-public interaction and public safety.

LE 232 (F,S) 3 hrs. cr.

**Ethics in Criminal Justice** 

A comprehensive investigation of ethical problems confronting criminal justice professionals. Focus is placed on the philosophical and practical dilemmas surrounding the modern criminal justice system, in the United States and foreign countries, to include the police, courts, and correctional subsystems. Examines various value systems and historical theories as well as promotes discussions of moral and ethical behavior from personal, social, and criminal justice perspectives.

LE 250 (F) 3 hrs. cr.

Criminal Law

Criminal law purposes and functions; rights and duties of officers and citizens in relation to local, state and federal laws. The development, application and enforcement of laws.

LE 260 (Demand) 3 hrs. cr. Legal and Technical

Aspects of Firearms

History and development of firearms. The nomenclature of the most commonly used police firearms and the duties and requirements of a rangemaster. The laws concerning firearms acquisitions, ownership and use. Three hrs. lecture per week. Lab fee and additional lab time arranged.

LE 280 (F, S) 3 hrs. cr.

Interview and Report

Writing (Writing Intensive) Introduces the professional writing style utilized in reports and other written communication in the criminal justice fields. Emphasizes on-the-job writing for criminal justice professionals. Also explores various interviewing techniques. Prerequisites: Eng 101.

LE 290 (Demand)

Police Supervision and Management

Principles of personnel management as applied to law enforcement agencies: evaluation, promotion, discipline, training, employee welfare and problem-solving leadership.

### Law Enforcement, Medical Technology / 207

LE 298 (Demand)

1-8 hrs. cr.

Special Topics in Law Enforcement

Course content varies and is designed to meet current needs and interests in the rapidly changing field of law enforcement. Precise topics to be announced and prerequisites stipulated in course syllabus.

# Missouri Peace Officer Certification

The 600-hour Missouri Peace Officer Certification is offered through Criminal Justice Administration (CJAd) and the Missouri POST (Peace Officer Standards & Training) Certified Law Enforcement Academy. Students who successfully complete the Academy and meet certification requirements become eligible for employment as a Missouri peace officer. Refer to the Law Enforcement section for course description.

### Application/Admission/ Certification

The State of Missouri requires applicants at the time of certification to be 21 years of age, a United States citizen, have a high school diploma or its equivalent, and pass the Missouri State Police Officer Certification examination. An applicant with a criminal history must receive Missouri POST clearance before being accepted to the program. An interview with the Training Director is required for admittance to the program.

For additional information contact: The Law Enforcement Academy Mr. Wayne Thomason Missouri Southern State College 3950 E. Newman Road Joplin, Missouri 64801-1595 Phone: 417.625.9684

Fax: 417.625.9796

E-mail: thomason-w@mail.mssc.edu

# **Medical Technology**

Reynolds Hall 210, 417.625.9376

Faculty Garoutte, Mosher

The bachelor of science degree in medical technology is granted to students who complete the required program of study satisfactorily. These requirements include the basic requirements for all bachelor of science degree programs, required science and other supportive courses plus 32 hours of professional course credits. The completion of this degree is required before an individual is eligible to take the certifying examination.

Missouri Southern has affiliation agreements with the Schools of Medical Technology at St. John's Regional Medical Center, Joplin, Mo., and Lester E. Cox Medical Center, Springfield, Mo. If a student wishes to attend an accredited school of medical technology with which the College has no formal agreement, the Vice President for Academic Affairs can negotiate an agreement for the individual student. Students should be aware that enrollment in professional schools is limited. Each of the professional schools has its own admission criteria and selects those students to be admitted to a class from the applicants for that class. In general, this selection is based on the academic record or demonstrated aptitude for the medical field. Students are responsible for filing their own application for admission with the professional schools. Application should be made to the professional school during the early fall of the junior year or approximately 10 months prior to the expected entrance date. It is strongly suggested that the student contact the Director of the Medical Technology Program at the desired hospital early in their sophomore year to determine the exact application procedure.

A student may enroll in the professional courses either at the hospital-based school or through Missouri Southern, depending on the policies of the hospital-based school. Students enrolled at the hospital-based school are not considered members of the Missouri Southern student body, since the hospital-based school in such cases is considered as any other accredited institution of higher education. A student enrolling

through Missouri Southern is considered a member of the College student body and is therefore eligible for benefits offered all students. The weekly time requirements for the professional medical technology courses (400 level) listed are based on the minimum requirements for a course meeting for a normal academic term for a minimum of 16 weeks. Actual scheduling of classes may vary according to custom of the individual professional school to meet these minimum total hour requirements.

Students whose career goals change or are unsuccessful in gaining admission to a professional training program are ideally suited to complete another science major with virtually no loss of academic credits.

### Bachelor of Science With a Major in Medical Technology

	Semester H	lours
Core Requ	uirements (p. 33) 51**	39
Biology R	equirements	26
Bio 121	Human Anatomy and	
	Physiology I	4
Bio 221	Human Physiology and	
	Anatomy II*	5
Bio 231	General & Medical	
	Microbiology*	5
Bio 305	Genetics*	4
Bio 456	Immunology*	4
EITHER		
Bio 362	Virology*	4
OR		
	Pathogenic Bacteriology*	5
OR		
	Pathophysiology*	4
	Requirements	25
	General Chemistry I*	5
	General Chemistry II*	5
	Analytical Chemistry I*	5
Chem 300	Introduction to Modern	
	Organic Chemistry*	5
	Biochemistry*	5
	uirements	· 12
Phys 151	Elementary College	
	Physics I*	5
Math 140	Algebra & Trigonometry	5
EITHER		
Bio 303	Computer Applications in	
	Biology	2
OR		
Chem 320	Computer Applications in	
	Chemistry	2
400 Level	Medical Technology	
	Courses (at Hospital)	32
		134

### 208 / Medical Technology

\*See course descriptions for prerequisites.

\*\*Required biology, physics and mathematics courses simultaneously satisfy Core Curriculum and major requirements.

### Suggested Order of Study

### Bachelor of Science Degree Major Code 1223 Medical Technology Major

It is strongly suggested that the student take courses in the summer to reduce the semester hour loads.

#### Freshman Year

1st Semes	ter	
Course	H	lours
Chem 101	Gen Chem I (Algebra & Trig)	5
Math 140	Algebra and Trig	5
Bio 121	Human Anatomy and	
	Physiology I	4
CORE	[Eng 101 Comp I]	3
CORE	[Psy 120 College Orientation]	1
		18

2nd Semes	ter		
Chem 102	Gen Chem II (Chem 101)	5	
Bio 231	General and Medical		
	Microbiology	5	
Chem 320	Computer Applications in		
	Chemistry		
OR			
Bio 303	Computer Applications in		
	Biology	2	
CORE	[History 110 U.S. History]	3	
CORE	[Eng 102 Comp II]	3	
		18	

#### Sophomore Year

1st Semester		
Chem 201	Analy Chem I (Chem 102)	5
Bio 305	Genetics	4
CORE	[Psy 100 or Soc 110]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Econ 180 Amer Econ Sys]	3
		18

#### 2nd Semester

Chem 300	Intro Org Chem (Chem 102)	5
Bio 456	Immunology	4
CORE	[Comm 100 Oral Comm]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Hist 120 or 320 U.S. History]	3
		10

#### **Junior Year**

1st Semes	ter	
Chem 351	Biochemistry (Chem 300)	5
Phys 151	Elem Col Phys I (Math 140)	5
Bio 308	Pathophysiology	
	(Bio 301 or 306) (4)	
OR		
Bio 362	Virology (Bio 231 and 305) (4	1)
OR		
Bio 442	Pathogenic Bacteriology	
	(Bio 231) (5)	1-5
CORE	[Kine 103 Lifetime Wellness]	2
	16-	17

#### 2nd Semester

Bio 221	Human Anatomy and	
	Physiology II	5
CORE	[Humanities & Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 Gov't: U.S./St/Loc]	3
CORE	[International Cultural Studies]	3
		15

#### Senior Year

0011101	1 Gui	
1st Sen	nester	
(At an a	approved School of Medical	Technology,
MT 401	Clinical Chemistry	10
MT 403	Clinical Hematology	6
		16
	1st Sen (At an a MT 401	

#### 2nd Semeste

(At an app	proved School of Medical Techno	ology,
MT 402	Clinical Microscopy	1
MT 404	Clinical Serology/Immunology	/ 3
MT 405	Clinical Microbiology	7
MT 406	Clinical Immunohematology	3
MT 407	Special Topics in Med Tech	2
		16

#### (Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Melvyn Mosher

Office: Reynolds Hall 242 Phone: 417.625.9733

E-mail: mosher-m@mail.mssc.edu

OR

Dr. Michael Garoutte
Office: Reynolds Hall 241
Phone: 417.625.9579

E-mail: garoutte-m@mail.mssc.edu

### MT 402 (S)

Clinical Microscopy

Principles and techniques of the physical, chemical and microscopic examination of urine and other excrete as related to disease processes. One hr. lecture, clinic by arrangement.

#### MT 403 (F)

6 hrs. cr.

1 hr. cr.

**Clinical Hematology** 

The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders. Three hrs. lecture, 12 hrs. clinic/lab per week.

### MT 404 (S)

3 hrs. cr.

Clinical Serology-Immunology

The science of immunity including antibody development, principles of antigen-antibody interactions and techniques of serological testing for various disease states. Three hrs. lecture, 12 hrs. clinic/lab per week.

### MT 405 (S)

7 hrs. cr.

**Clinical Microbiology** 

Sterile technique, methods of handling and inoculating specimens containing pathogenic micro-organisms, isolation and identification of pathogenic micro-organisms, laboratory tests in chemotherapy, and diagnostic bacteriology, mycology and parasitology. Four hrs. lecture, 12 hrs. clinic/lab per week.

### MT 406 (S)

3 hrs. cr.

Clinical Immunohematology-Blood Bank

Blood group systems and the immune response. Methods of crossmatching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hr. lecture, 8 hrs. clinic/lab per week.

### MT 407 (S) 2 Special Topics in Medical Technology

2 hrs. cr.

Lecture and/or clinical practice in the areas of inservice education, management and supervision, research and development, and principles and techniques of the instructional process. Lecture and labs to be arranged.

### **Course Descriptions**

MT 401 (F)

10 hrs. cr.

**Clinical Chemistry** 

Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation and special procedures. Five hrs. lecture, 20 hrs. clinic/lab per week.

# **Nursing**

Kuhn Hall 210, 417.625.9322

Faculty Box - Head, Ayton, Baker, Barr, Cole, Eller

The bachelor of science degree nursing program provides intensive preparation for the first-time entering student and licensed practical nurse seeking licensure as a registered nurse and the registered nurse pursuing baccalaureate education in the nursing discipline.

The program is based on systems emphasizing person, nursing, health and environment. Core Curriculum and required support courses augment the nursing courses in preparing a professional nurse for the 21st century who is able to function at the client's side in a diverse health care delivery system.

Upon successful completion of the program, the graduate is eligible to apply to take the examination for licensure as a Registered Nurse (RN) barring restrictions stated in the Nursing Practice Act 335.066,1,2 (1)-(14) of the state of Missouri. "The applicant shall be at least nineteen years of age . . ." according to the Nursing Practice Act 335.046 of the Missouri Statutes. Contact nursing department or Missouri State Board of Nursing for further information.

The program is accredited by the National League for Nursing Accrediting Commission and the Missouri State Board of Nursing.

#### **Graduate Outcomes**

Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.
- Provide contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary, and tertiary prevention.

- Manage health care delivery through coordination, collaboration, and delegation.
- Integrate communication strategies in interacting with the person and information systems.
- Apply nursing and health related research to nursing practice.

### Admission Criteria

- Continuous enrollment, readmission or admission to College as a transfer student.
- Cumulative grade point average of 2.5
  minimum based upon completion of
  freshman and sophomore courses
  listed in the suggested order of study.
- Completion of the following five natural and physical science courses with a grade of "C" or higher:

Bio 121 Anatomy and Physiology I
Bio 221 Anatomy and Physiology II
Bio 231 General and Medical
Microbiology
Chem 100 Introductory Chemistry

Bio 308 Pathophysiology

- 4. Criminal Record Check
- 5. Drug/Alcohol Screen
- Credit hours from the Suggested Order of Study must be completed prior to entering the nursing major courses.

### Admission to the program is competitive.

Applications, readmission and transfer criteria are available in the Department of Nursing in Kuhn Hall. The applicant is responsible for requesting and verifying that the transcript evaluation and MSSC transcript are part of their applicant profile prior to application deadline.

Deadline for application and transcript/s is January 31.

Students who meet all admission criteria and have completed the Suggested Order of Study for the bachelor of science degree nursing at Missouri Southern State College will be given preference in admission.

Missouri House Bill 1362 prohibits a hospital from knowingly allowing those guilty of Class A and B felonies as defined in three chapters of state law to give care to clients in their agency. Students entering MSSC are assigned to do clinical practice in coop-

erating hospitals and the department is in agreement that students must meet these requirements. Results of a personal criminal history record check must be on file prior to the Fall semester of the junior year of nursing courses. Students who have been found guilty of Class A and B felonies will be ineligible to enter the program.

### Freshman Option: Direct Provisional Admission (DPA)

Students entering as first time freshmen will have the opportunity to receive direct provisional admission to the nursing program based upon the following criteria.

- Meet all requirements for regular admission to Missouri Southern State College as a first-time freshman.
- 2. ACT composite score of 25 or higher.
- Maintain a 3.0 grade point average in required courses each semester with a grade of C or above (refer to catalog for required courses).
- Meet all other requirements for admission to nursing major prior to matriculation.

### Admission of Baccalaureate Degree applicants

Applicants holding a baccalaureate degree are considered by the College as having completed the Core Curriculum requirements.

Degreed nursing applicants must meet all stated admission requirements.

The cumulative grade point average will apply for degreed nursing applicants.

Required support courses for admission into the nursing major are as follows:

Bio 121	Anatomy and	
	Physiology I	4
Bio 221	Anatomy and	
	Physiology II	5
Bio 231	General and Medical	
	Microbiology	5
Chem 100	Introductory Chemistry	5
Bio 308	Pathophysiology	4
Kine 385	Nutrition for Human	
	Development	3
Total		

### 210 / Nursing

### **Admission of Registered** Nurses (RNs)

Registered nurses are admitted to the College as graduates of Southern's Associate Degree Nursing Program or as transfer students. In addition to the program admission requirements, registered nurses must also meet the following requirements:

- 1. Graduated from a state-approved and National League for Nursing (NLNAC) accredited associate degree or diploma nursing program.
- 2. Current registered nurse licensure or eligibility in the state of Missouri.
- 3. Upon successful completion of Nurs 301 Transitions in Nursing, 3 credit hours, validation of 31 credit hours of nursing knowledge will be transcribed for credit as follows:

Nurs 310	Assessment and	
	Technologies	5 cr
Nurs 320	Adult Nursing	7 cr
Nurs 350	Family Nursing	9 cr
Nurs 360	Mental Health	
	Nursing	4 cr
Nurs 400	Complex Nursing	6 cr

### Admission of Licensed **Practical Nurses (LPNs)**

Licensed Practical Nurses (LPN) are admitted to the College as first-time (generic) or transfer students. LPN applicants must meet all college and program requirements for admission. The LPN has the option to challenge 5 credit hours for Nurs 310 Health Assessment and Technologies through departmental examination. An assessment fee per credit hour will be charged to the student's account.

### Transfer Policy for Nursing Students and Registered Nurses

- 1 All program admission criteria must be met.
- 2. A letter of reference is required from the Dean or Director of the nursing program previously attended stating the student left in good standing and is eligible for readmission.
- 3. Transfer courses will be evaluated for course equivalency at Missouri Southern on an individual basis.
- 4. Nursing courses with a clinical component must be fully met.
- 5. Transfer is based on space availability.

### **Special Fees**

In addition to all established fees for college students, a special laboratory fee of \$200.00 is assessed for each of the following courses: Nurs 310 Health Assessment and

**Technologies** 

Nurs 430 Advanced Health Assessment

Other costs incurred during the program include, but are not limited to: required equipped nurse bag, uniforms, pins, standardized examination fees, graduation fees, licensing examination fees, hepatitis series, current immunizations, etc. A detailed list of items and costs is available in the Nursing Department.

### **Bachelor of Science Degree Nursing**

9		
	Semester H	
	irements (p. 33)	42
	ajor Requirements	91
	descriptions for prerequis	ites)
Nurs 301	Transitions in Nursing	
	(RNs)	3
Nurs 305	Pharmacology in	
	Nursing	3
Nurs 310	Health Assessment and	
	Technologies	5
Nurs 320	Adult Nursing	7
Nurs 350	Family Nursing	9
Nurs 360	Mental Health Nursing	4
Nurs 370	Gerontologic Nursing	
	(WI)	3
Nurs 400	Complex Nursing	6
Nurs 420	Nursing Ethics (WI)	3
Nurs 430	Advanced Health	
	Assessment	3
Nurs 450	Community Health	
	Nursing	5
Nurs 460	Nursing Research (WI)	3
Nurs 470	Nursing Management	
	and Leadership	5
Bio 121	Anatomy and	
	Physiology I*	4
Bio 221	Anatomy and	
	Physiology II	5
Bio 231	General and Medical	
	Microbiology	5
Bio 308	Pathophysiology	4
Chem 100	Introductory	
	Chemistry*	5
Comp 105	Introduction to	
	Microcomputers	3
Kine 385	Nutrition for Human	
	Development	3
Psy 320	Statistics	3
Total		133

### \*Satisfies the Core requirements

### Suggested Order of Study

### Bachelor of Science Nursing -Four Year

Major Code 3200

#### Freshman Year

Fall Semeste	er	
Course		Hours
Bio 121	Hum Anatomy/Physiology	1 4
Eng 101	English Comp I (WI)	3
Math 130	College Algebra	3
Comm 100	Oral Communication	3
Kine 103	Lifetime Wellness	2
Comp 105	Intro to Microcomputers@	3
Psy 120	College Orientation	1
		40

#### Freshman Year

Spring Seme	ster	
Bio 221	Hum Anatomy/Physiology	II* 5
Eng 102	English Comp II (WI)	3
Chem 100	Intro Chemistry*	5
Econ 180	Amer Econ System	3
Psy 100	General Psychology	3
		19

Sopnomor	e year	
Fall Semes	ster	
Bio 231	General and Medical	
	Microbiology*	5
CORE	Area 2.a (Fine Art)	3
CORE	Area 2.b (Literature)	3
Kine 385	Nutrition for Human	
	Development	3
Hist 110	U.S. History 1492-1877	3
		17

#### Sophomore Year

Spring Sem	nester	
Bio 308	Pathophysiology*	4
CORE	Area 2.c (Fine Art or	
	Literature)	3
CORE	Area 5 (International	
	Culture Studies	3
PSc 120	Gov't: U.S., St, Local	3
Kine 101	Physical Activity	1
Hist 120	U.S. Hist 1877 - Pres	3
		17

Junior Yea	r	
Fall Semest	ter	
Nurs 301	Transitions in Nursing	
	(RNs)	3
Nurs 305	Pharmacology in	
	Nursing	3
Nurs 310	Health Assessment and	
	Technologies+^	5
Nurs 320	Adult Nursing+	7
	9	15

### Junior Year

ournor rear		
Spring Seme	ester	
Nurs 350	Family Nursing+	9
Nurs 360	Mental Health Nursing+	4
Nurs 370	Gerontologic Nursing (WI)	3
		16

### Nursing / 211

#### Senior Year Fall Semester Nurs 400 Complex Nursing\*+ 6 **Nurs 420** Nursing Ethics (WI) 3 **Nurs 430** Adv Health Assessment 3 Psv 320 3 Statistics' 15

#### Senior Year

Spring Serr	nester
-------------	--------

Nurs 450	Community Health Nursing	5
Nurs 460	Nursing Research (WI)	3
Nurs 470	Nursing Mgmt & Leadership	5
	1	13

\*See course descriptions for prerequisites.

+Complete Nurs 301 Transitions in Nursing with a grade of "C"

receive credit for Nurs 310. Nurs 320. Nurs 350.

Nurs 360, Nurs 400

@ Department waiver as outlined in Nursing Student Handbook.

^Credit by departmental examination for Licensed Practical Nurses.

### Minors

Minors in supportive disciplines are available to nursing students. See requirements for the following suggested (but not exclusive) minors: Informatics, Business, Spanish, etc.

### **Americans with Disabilities** Act implications

Students are required to have a completed physical examination/health verification after admission to the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

For additional information contact:

Dr. Barbara Box

Office: Kuhn Hall 210-B Phone: 417.625.9322

E-mail: box-b@mail.mssc.edu

### **Course Descriptions**

Nurs 301 (F)

3 hrs cr.

Transitions in Nursing

This course will assist the Registered Nurse student to examine the role of a baccalaureate degree prepared nurse in a changing healthcare environment. The student will have the opportunity to integrate current nursing practice, philosophy, concepts and theories into his/her professional practice. Offered on line only. Prerequisite: Admission to the nursing program and registered nurse licensure.

Nurs 302 (F) (Demand)

3 hrs cr.

**Herbal and Complementary Therapies** 

Herbal and Complementary Therapies is a course designed to enhance the learner's understanding and appreciation of universal alternative and holistic approaches to health. "Nontraditional" treatment methods that comprise complementary therapies include herbal medicine, homeopathy, naturopathy, therapeutic massage, and acupuncture. One three hour lecture per week. Prerequisite: Bio 101 General Biology.

Nurs 305 (F)

3 hrs cr.

**Pharmacology in Nursing** 

This course is designed to introduce the nursing student to essentials of basic and clinical pharmacology in preparation for application with patient populations in a clinical setting. The student will focus on the commonalities of drug classifications related to the physiologic systems of clients during the life span. Prerequisite: Admission to the nursing program and concurrent with Nurs 310 and Nurs 320. (RN's: Concurrent enrollment in Transitions (Nurs 301) is required.)

Nurs 310 (F)

**Health Assessment and Technologies** 

Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hrs. lecture and 6 hrs. lab per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 305 and Nurs 320.

Nurs 320 (F)

7 hrs cr.

**Adult Nursing** 

Focuses on variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four hrs. lecture and 9 hrs. clinical per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 305 and Nurs 310.

Nurs 350 (S)

9 hrs cr.

**Family Nursing** 

Focuses on health promotion of the developing family and nursing care of the maternity and pediatric client with variances of health. Five hrs. lecture and 12 hrs. clinical per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 360 and Nurs 370.

Nurs 360 (S)

4 hrs cr.

Mental Health Nursing

Focuses on assessment, promotion of mental health and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hrs. lecture and 6 hrs. of clinical per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 370.

Nurs 370 (S)

3 hrs cr.

**Gerontologic Nursing** (Writing Intensive) Focuses on the normal aging process and common health variances of the older person. Three hrs. lecture per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 360 or RN status with permission of instructor.

Nurs 400 (F)

6 hrs cr.

**Complex Nursing** 

Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Three hrs. lecture and 9 hrs of clinical per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 420 and Nurs 430.

Nurs 420 (F)

3 hrs cr.

**Nursing Ethics** (Writing Intensive) Focuses on the process of ethical decision mak-

ing. Ethical issues confronting the professional nurse are explored. Three hrs. lecture per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 430.

Nurs 430 (F)

3 hrs cr.

**Advanced Health Assessment** 

The emphasis of advanced health assessment will be refining abilities to utilize techniques to assess, identify and describe variances from normal. Two hrs. lecture and 3 hrs. of lab per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 420.

Nurs 450 (S)

5 hrs cr.

**Community Health Nursing** 

Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hrs. of lecture and 6 hrs. of clinical. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 460, and Nurs 470.

Nurs 460 (S)

3 hrs cr.

**Nursing Research** 

(Writing Intensive) Emphasizes evaluation of nursing research, uti-

lization of research findings in the clinical setting and assisting in the conduct of research. Three hrs. of lecture per week. Prerequisites: Psy 320, Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, and Nurs 470.

### 212 / Nursing, Paramedic

**Nursing Management and Leadership** Emphasis is on nursing management and organization, nursing leadership skills and resource allocation. Three hrs. lecture and 6 hrs. clinical per week. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, and Nurs 460.

Nurs 498 (Demand)

1-3 hrs cr.

### Seminar in Nursing

Special topic or topics not normally included in another course. Prerequisites: Upper division standing, additional requirements will be stipulated in the syllabus of the course.

Nurs 499 (Demand)

1-3 hrs cr.

Independent Study

Independent study course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration in the course must be approved by adviser, department head and school dean. Minimum of 3.0 GPA required.

# **Paramedic**

Justice Center 155, 417.625.3020

### Faculty Krtek

The School of Technology and the Emergency Medical Training Department offer certificate programs preparing students to take the National Registry examinations as Emergency Medical Technicians or as Paramedics. This is closely integrated with area Emergency Medical Services and area Trauma Centers. Students seeking information about these programs should check with the Director of EMS programs for details about scheduling of the courses. The courses offered meet all requirements of the National Curriculum. The Department of Emergency Medical Training is an Accredited Training Entity for the Missouri Department of Health and the Missouri Bureau of Emergency Medical Services.

Classroom instruction is supplemented by clinical observation and experience. The program meets through three semester periods beginning each Fall semester. The clinical training is arranged through area hospitals and ALS ambulance services. Applicants must be at least 18 years of age, hold a high school diploma or equivalent

and possess a current Missouri State EMT ambulance license. A minimum of one-year experience is preferred. Out-of-state students should contact the E.M.S. Training office no later than May to begin reciprocity application. Applications and pretest information should be obtained from the office before the end of the Spring semester. Special book and equipment fees are assessed for this course.

### **Associate of Arts**

Major Code 7008

Core Requ	uirements [42*]	3
Bio 221	Human Physiology and	
	Anatomy*	5
Para-250	EMT - Paramedic	12
Para-270	EMT - Paramedic	12
Para-290	EMT - Paramedic	9
		7

\*Satisfies 4 hours of Core requirements

### Admission Criteria

- 1. Must be 18 years of age before first
- High school graduation diploma or its equivalent.
- 3. Evidence of successful completion and certification of a course of training for EMT-Basic.
- Must submit a complete record of immunizations.
- Have a current State of Missouri EMT-Basic license.
- 6. Maturity of judgment, sound moral character and health status, which provide reasonable assurance that the student will meet the physical and mental demands of the occupation.
- We will require proof of current health insurance.
- Have a State Highway Patrol background check completed and sent to E.M.S. training department at MSSC.

### **OUT OF STATE STUDENTS:**

You must apply for and receive a Missouri E.M.T.-Basic license before the first day of class. Write: Missouri Bureau of E.M.S., Attn: Greg Natsch, Box 570, Jefferson City, MO 65102 for details 573.751.6356.

Final selection of students by the admissions committee shall be based on the following factors:

Oral interview to determine career goals, communication skills, background, and orientation toward the paramedic educational program.

- 2. Written and practical exam which will include EMT-Basic as well as math questions.
- 3. Letters of recommendation from employers, professional personnel and/or past instructors.

You must complete and submit an Application by June 1 for Admission to M.S.S.C. prior setting for the Pre-test and interview.

### **Course Descriptions**

### Paramedic I

Para 250

12 hrs. cr.

#### **EMT - Paramedic**

This training course is organized to cover the Preparatory, Airway Management, Patient Assessment and Trauma portion of the National Curriculum. The classes will meet for three, fourhour classes each week of the semester. The class time will include both didactic and hands-on training of the skills needed. These will include medication administration, airway maintenance, IV access and monitoring. There will be no clinical hours included in this semester. Prerequisites include a current National Registry or Missouri EMT-Basic license and a CPR card. Para 250 is a prerequisite for Para 270.

#### Paramedic 2

Para 270

12 hrs. cr.

#### **EMT - Paramedic**

This training course is organized to provide the student with knowledge about the acute, critical differences in physiology, pathophysiology, or clinical symptoms, as they pertain to the prehospital emergency medical care of the infant, child, adolescent, adult and geriatric patient. The student will have an opportunity to acquire clinical experience and practical skills related to the emergency medical care of these patients both during class time and during hospital based clinical rotations. Prerequisites include completion of Para 250 and a current EMT-Basic license. Para 270 is a prerequisite for Para 290.

### Paramedic 3

Para 290

9 hrs. cr.

### **EMT - Paramedic**

This is the final portion of the Paramedic Program. During Paramedic 3, the student will meet for one class a week for the didactic portion covering special considerations in emergency medicine, assessment based management and operations of the Emergency Medical Services. During the remaining part of the week, the student will be assigned specific hours with Advanced Life Support Ambulance Services and specified Preceptors to complete the Field Internship portion of the training. Prerequisites include completion of Para 270.

### Paramedic, Pre-Engineering, Preprofessional, Radiologic Technology / 213

For additional information contact:

Mr. Michael G. Krtek Office: Justice Center 155

Phone: 417.625.3020

E-mail: krtek-m@mail.mssc.edu

Visit our web site at: http://www.mssc.edu/

schtech/ems/home.htm

	Geometry II*	5
Math 260	Calculus with Analytica	ıl
	Geometry III*	5
Comp 110	Programming I	3
Econ 201	Principles of	
	Economics (Macro)	3
Elective	(Math or Physics)***	7-8
Electives	(Humanities/Social Scientification)	ence/
	Drafting/Chemistry)***	4
		68-69

For additional information contact:

Mr. Marion Sloan

Office: Reynolds Hall 213 Phone: 417.625.9616

E-mail: sloan-m@mail.mssc.edu

### **Pre-Engineering**

Reynolds Hall 213, 417.625.9616

Faculty Sloan-Head, Chelf, Knapp, Marsh

The physical science department at Missouri Southern, in cooperation with the engineering staff at the University of Missouri-Rolla and the University of Missouri-Columbia have prepared booklets describing the Cooperative Engineering Program between these schools and MSSC. These booklets list the course sequence for a student taking the first two or two and one-half years of an engineering science curriculum at Southern and planning to transfer to UMR or UMC. The plan also includes the courses the student will take at UMR or UMC to complete a B.S. degree in various engineering disciplines.

Although most of the engineering programs are standard for the first two years, there are a few differences and thus the student should meet with a pre-engineering adviser during the first semester. If a student wishes to transfer to a school other than UMR or UMC, it is suggested that the catalog of that school be reviewed for any differences in its program and the UMR or UMC outline. College catalogs are available in the Reserve area of Spiva Library. Any adviser who desires a copy of the booklet should contact the physical science department.

	Semester I	Hours		
Core Requirements (p. 34) 26 **				
Pre-engine	eering Requirements	54		
Phys 160	General Physics I*	3		
Phys 270	General Physics II*	5		
Phys 280	General Physics III*	5		
Phys 312	Statics*	3		
Chem 101	General Chemistry I*	5		
Math 150	Calculus with Analytical			
	Geometry I*	5		
Math 250	Calculus with Analytical			

\*See course descriptions for prerequisites.
\*\*Required math and physics courses
simulatneously satisfy eleven hours of Core
Curriculum and major requirements.

\*\*\*The student should meet with a preengineering adviser for the proper selection depending on the field of engineering.

### Suggested Order of Study

### Associate of Science Degree Major Code 5499 Pre-engineering Major

#### Freshman Year

1st Semeste	er	
Course		Hours
CORE	[Eng 101 Comp I]	3
Math 150	Calculus I	5
Phys 160	General Physics I	3
Chem 101	General Chemistry I	5
CORE	[Psy 120 College Orient]	1
		17
and Compat	or	

2nd Semeste	er		
Math 250	Calculus II	5	
Phys 270	General Physics II	5	
Econ 201	Prin of Economics	3	
CORE	[Fine Arts/Humanities]	3	
CORE	[Kine 101 Physical Activity]	1	
		17	

### Sophomore Year

1st Semeste		
Math 260	Calculus III	5
Phys 280	General Physics III	5
Comp 110	Programming I	3
CORE	[Hist 110/120 U.S. Hist]	3
CORE	[Kine 103 Lifetime Wellness	] 2
		18
2nd Semeste	er	
Math 322	Differential Eq.*	3
Phys 372	Electronic Circuits*	4
Phys 312	Statics	3
Phys 341	Thermal Physics*	4
OR		
Phys 322	Classical Mechanics*	3
CORE	[Comm 100 Oral Comm]	3

#### \*Suggested elective, not required for A.S. degree

16-17

### **Preprofessional**

Justice Center 126, 417.625.3155

### Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours.

Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose this degree program.

For additional information contact:

Dr. Tia Strait

Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

Dr. John Messick

Office: Hearnes Hall 318 Phone: 417.625.9385

E-mail: messick-j@mail.mssc.edu

### Radiologic Technology

Kuhn Hall 304, 417.625.3118

### Faculty Schiska

The associate of science degree in radiologic technology combines Core Curriculum courses, supportive courses in the behavioral sciences and natural sciences and special courses in the field of radiology

### 214 / Radiologic Technology

including extensive clinical laboratory experiences. The clinical laboratory experiences are provided through agreements between Missouri Southern and St. John's Regional Medical Center or other accredited facilities. The student successfully completing the curriculum is eligible to write the National Registry Examinations to become a Registered Technologist.

Completion of the degree requires the completion of Core Curriculum requirements for the associate of science degree, all radiologic technology courses, Bio 221, Bio 240, Chem 100 or Phys 100 and Psy 221. Applicants whose backgrounds have not prepared them for Bio 221 must meet these prerequisites before being admitted to the program as well as the prerequisites listed below (see suggested order of study).

Special admissions procedures are required for admittance into this program, in addition to admission to Missouri Southern State College. A special Radiologic Technology application must be turned in to the Director of the Radiology Program before February 1st of the year the student would enter the program. Students may begin the program only at the beginning of the fall semester.

In addition to established fees for all college students, special fees of \$15 for the first semester and \$125 for the last summer semester, are required for enrollment in radiology courses.

Students who are already registered technologists may also enter the program.

Radiological course credit will be granted to the Registered Radiologic Technologist, equal to that granted to the graduating associate of science student, at the time the Registered Radiologic Technologist starts the program. A minimum of 30 additional academic semester hours is required. This credit must include the general education requirements for the associate of science degree plus a concentration of courses in one of the subject matter areas of business (accounting and secretarial procedures or business management), behavioral sciences or natural science (concentration in either biology, chemistry or physics).

### Associate of Science in Radiologic Technology

Semester Hours

Core Requ	iirements (p. 34)		26
Radiology	Requirements		55
Rad 101	Introduction to Radiology*	3	
Rad 111	Medical Terminology	3	
Rad 121	Patient Care and Special		
	Procedures in Radiology	3	
Rad 132	Prin of Radiographic		
	Exposure	3	
Rad 142	Radiographic Pos I	3	
Rad 160	Film Critique	2	
Rad 170	Radiologic Physics	3	
Rad 180	Practicum in Radiology	4	
Rad 241	Radiographic Pos II	3	
Rad 252	Radiographic Pos III	3	
Rad 282	3)	2	
Rad 290	Practicum in Radiology III	4	
Rad 299	Advanced Radiology	3	
Bio 221	Human Anatomy		
	& Physiology II*	5	
Chem 100	Elementary Chemistry**		
OR			
Phys 100	Fundamentals of Physica		
	Science	5	
Psy 221	Personal Adjustment	3	
Bio 240	Radiation Biology*	3	
			8

<sup>\*</sup>See course descriptions for prerequisites.

### Suggested Order of Study

Associate of Science Degree Major Code 5207 Radiologic Technology Major

#### Prerequisites:

relegatore	00.		
Eng 101	English Comp I	3	
Math 30	Inter. Algebra (or higher)	3	
Bio 121	Human Anatomy/Phys I	4	
Rad 111	Medical Terminology****	3	
Psy 120	College Orientation	1	
		14	

### Freshman Year

raii Semesti	er		
Course		Н	ours
Bio 221	Human Anatomy & Phys II	**	5
Rad 101	Intro to Radiology		3
Rad 170	Radiologic Physics		3
Rad 142	Radiographic Pos I		3
		1	4

	Spring Seme	ester			
	Psy 100	General Psychology	3		
	Bio 240	Radiation Biology	3		
	Rad 132	Prin of Radiographic Exp	3		
	Rad 241	Radiographic Pos II	3		
,	CORE	[Kine 103 Lifetime Wellness	12		
		į	14		
	Summer Sei	mester*			
	Rad 160	Film Critique	2		
	Rad 180	Practicum in Radiology I	2		
		-	6		
	Sophomore Year				
	Fall Semester				
	Chem 100	Intro Chemistry			
	OR				
	Phys 100	Fund of Phys Science	5		
	Psy 221	Personal Adjustment	3		
	Rad 252	Radiographic Pos III	5 3 3 1		
	CORE	[Kine 101 Physical Activity]			
			12		
	Spring Semester				
	CORE	[Hits 110 or Hits 120]***	3		
	CORE	[Comm. 100 Oral Comm]	3		
	Rad 121	Pat Care & Spec Proc.	3 2 3		
	Rad 282	Practicum in Radiology II	2		
	CORE	[Literature or Fine Arts]			
			14		
	0				
	Summer Se		A		
	Rad 290	Practicum in Radiology III	4		
	Rad 299	Advanced Radiology	7		

[Department Recommendations]

\*Summer classes meet a minimum of 10 weeks.
\*\*Placement in Bio 221 will depend on pre-entrance Introduction to Human Biology test scores or completion of Bio 121.

\*\*\*Missouri Constitution Exam or PSc 120 Gov't: U.S., State, Local

\*\*\*\*(may be taken during the fall semester of the Freshman year with special permission from the program director)

For additional information contact: Mr. Alan Schiska, Program Director

Office: Kuhn Hall 304 Phone: 417.625.3118

E-mail: schiska-a@mail.mssc.edu

OR

Dr. Tia Strait

Office: Justice Center 126
Phone: 417.625.9328
E-mail: strait-t@mail.mssc.edu

<sup>\*\*</sup>Satisfies Core Curriculum Requirement.

## Radiologic Technology, Respiratory Therapy / 215

## Course Descriptions

Rad 101

3 hrs. cr.

Introduction to Radiology

Basic procedures and equipment in the radiology department. Includes organization, function and supervision of a radiology department with a history of radiology, terminology specific to radiology, ethical principles and legal aspect of technology and radiation protection. Three hrs. lecture per week. Prerequisite Bio 221.

Rad 111

3 hrs. cr.

**Medical Terminology** 

The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical and surgical diseases is included. Three hrs. lecture per week.

Rad 121

3 hrs. cr.

**Patient Care and Special** Procedures in Radiology

Routine and special care of the patient. Includes sterile techniques, preparation of contrast media. Special attention to visualization of digestive, urinary, and reproductive organs and review of pathology. In addition, students are exposed to the basics of mammography and principles of digital and computed radiography. Three hrs. lecture per week.

3 hrs. cr.

**Principles of Radiographic Exposure** 

Fundamental principles of technique and technique conversion with particular emphasis on the factors that directly and indirectly affect radiographic exposure. Emphasis on radiation protection and darkroom chemistry and techniques. Three hrs. lecture per week.

Rad 142

3 hrs. cr.

Radiographic Positioning I

Basic radiographic positioning including both standard and specialized position of the chest, extremities and spine. Film critique and radiation protection are included. Two hrs. lecture, 3 hrs. lab and 15 hrs. clinic per week.

Rad 160

2 hrs. cr.

Film Critique

Develops student's problem-solving ability to evaluate X-ray films as to technical quality and diagnostic interpretation. Includes an introduction to quality assurance and pathology review.

One hr. lecture, 2 hrs. lab per week.

Rad 170

3 hrs. cr.

Radiologic Physics

The physics of radiology. The physical principles of X-ray production. Including theory in electricity, rectification, circuitry and basic equipment maintenance. Three hrs. lecture per week.

Rad 180

4 hrs. cr. Practicum in Radiology I

Intensified clinical training in the areas of urology, surgery, special procedures, fluoroscopy and general radiography. Course meets for 10 weeks summer sessions. Twenty-five hrs. clinic per week.

Rad 241

3 hrs. cr.

Radiographic Positioning II

In-depth study of routine and special views of the skull and facial bones. Film critique, radiation protection and skull anatomy review included. Two hrs. lecture, 3 hrs. lab, 20 hrs. clinic per week.

Rad 252

3 hrs. cr.

Radiographic Positioning III

Procedures and techniques for examination of various organs, including vascular studies, CT and special procedures. Course includes film critique, radiation protection and review of vascular anatomy. Three hrs. lecture, 20 hrs. clinic per week.

2 hrs. cr.

Practicum in Radiology II

Advanced clinical training. Includes an introduction to CT an increased responsibility in special procedures. Twenty hrs. clinic per week

4 hrs. cr.

Practicum in Radiology III

Professional clinical training with special attention given to final training in special procedures and surgery. Includes float rotations that may include radiation therapy, ultrasound, MRI and CT. Course meets 10 weeks during the summer session. Twenty-five hrs. clinic per week.

Rad 299

3 hrs. cr.

**Advanced Radiology** 

Comprehensive review of the field of radiology including innovations and trends in the field with special emphasis on preparation for the national registry examination. Three hrs. lecture per week.

**Respiratory Therapy** 

Justice Center 144, 417.625.9848

Faculty Pippin-Head, Hudson, Erwin

A career in the medical field can be a dynamic and rewarding opportunity. The changing nature of the medical profession is creating a demand for multi skilled health professionals with communication, interpersonal, and excellent clinical skills such as the respiratory care practitioner. The Respiratory Care Programs are designed to prepare students to be employed in the hospital, clinic, laboratory, and alternate care settings such as the patient's home. Respiratory Therapist perform a variety of clinical, diagnostic and management functions in these settings.

The Respiratory Therapy Department offers these career tracts:

- (1) an Entry-Level Associate of Science degree for applicants entering the
- (2) an Upper Division, Advanced-Level Certificate tract for graduates of an associate of science entry-level respiratory therapy program and
- (3) a Career Ladder Baccalaureate Degree Program, for graduates of the advanced level program.

The curriculum offers the following options:

- · Entry Level Associate of Science in Respiratory Therapy, designed for those entering the respiratory therapy field, requires 64 semester hours of general education and professional courses.
- Advanced Level, Upper Division Certificate Program in Respiratory Therapy designed for graduates of an entry-level, associate degree respiratory therapy program, who have passed the NBRC Certification examination or who have applied to take the CRT exam. Successful completion of the CRT exam must occur before completion of the Advanced level curriculum. Graduates from a certificate entry level program without an Associate of Science degree must complete core requirements as well as the advanced level respiratory therapy course requirements.
- For those students interested in a Bachelor degree, there are two options. A Bachelor of Science in Management Technology with an Emphasis in General Business or a Bachelor of General Studies designed for graduates of the Advanced Level Respiratory Therapy program.

The Entry Level, Associate of Science **Degree Program in Respiratory Therapy** prepares students for a position as a certified respiratory therapist. The program is provided by Missouri Southern State College and Franklin Technology Center, through a consortium for respiratory therapy

## 216 / Respiratory Therapy

education. The Associate of Science, entry-level program consists of a core academic component and a major concentration component. The academic section consists of the MSSC associate of science degree core requirements, including courses in the Humanities and Fine Arts, Natural Science, Social and Behavioral Sciences, Mathematics, English, Communication, and Physical Education concentration areas. The respiratory therapy major concentration components comprise both the didactic and respiratory therapy clinical instructional areas.

The Advanced Level, Upper Division, Certificate Program builds upon the entrylevel associate of science degree program. It consists of an advanced level respiratory therapy major concentration component. The concentration component comprises respiratory therapy education in the didactic and clinical competencies required of an advanced level trained respiratory care practitioner. All students must successfully complete the NBRC Entry Level (Certification) Examination prior to graduation from the advanced level program and must agree to sit for the Advanced Level (Registry) examination immediately upon graduation. Currently the advanced level program is offered as an on-line program.

Registered respiratory therapist function in a wide variety of settings. As clinicians they work in adult intensive care units. pediatric and neonatal intensive care units, emergency and trauma units, operation and recovery rooms, rehabilitation programs, home health agencies, and a variety of cardiopulmonary diagnostic laboratories. Some graduates pursue advanced degrees in management, education, public health, or the biomedical sciences. Graduate degrees lead to positions in educational institutions in teaching or research capacities. Senior respiratory care practitioners may be responsible for the management and operation of respiratory care departments.

Respiratory Therapy Students must demonstrate numerous competencies representing all three learning domains: the cognitive, psychomotor and affective domains. Students learn, practice, and verify these competencies in a number of settings including the classroom, laboratory and clinic. To achieve the required competencies in the classroom setting, respiratory therapy students must perceive, assimilate and integrate information from a variety of sources. These sources include oral in-

struction, printed material, visual media, and live demonstrations. Students must participate in classroom discussion, give oral reports, and pass written and/or computer-based examinations of various formats. Completion of these tasks requires cognitive sills, such as reading, writing and problem-solving. To be physically capable of the classroom work, students must, with assistance, be able to: hear, see, speak, sit and touch. Respiratory therapy laboratories provide students with the opportunity to view demonstrations, evaluate and practice with medical devices and perform simulated clinical procedures. In addition to the cognitive skills required in the classroom, students must demonstrate psychomotor skills in manipulation of patients and equipment, as well as general professional behaviors, like team-building and interpersonal communications. To satisfy laboratory and clinic requirements, students must perform all procedures without critical error.

Admission to Missouri Southern or Franklin Technology Center does not automatically grant admission to the respiratory therapy program. In addition to meeting admission requirements to the College, candidates must apply for admission to the department of respiratory therapy.

Enrollment is competitive; Applicants must submit the necessary information to the department office by the designated deadline to be considered for acceptance. Evidence of computer literacy and satisfactory completion of the following prerequisites with a "C" or better must be presented: Math 030 Intermediate Algebra or higher. Department Recommendation; High school or college course work in Physical Science and Chemistry. Interested individuals are encouraged to contact the Program Director of Respiratory Therapy for more specific information regarding admissions criteria.

In addition to established fees for all college students, other costs are incurred by respiratory therapy students such as: uniforms, books, self assessment examinations, graduation pins, AARC student membership dues, liability insurance, and various expense for transportation to off campus clinical sites and professional meetings.

The advanced level, upper division program is for the graduate of an accredited entry-level associate degree respiratory therapy program. Previous respiratory care education and practice are recognized and valued throughout the curriculum. The ad-

vanced level curriculum expands respiratory therapy knowledge and practice gained in the entry-level program to meet the changing health care needs of the community and region. Graduates of Missouri Southern's Associate degree entry-level certification program are eligible for direct admission to Southern's Advanced Level Respiratory Therapy program. Recent graduates must pass the CRT exam prior to completion of the advanced level curriculum. Graduates of other accredited entry-level programs are eligible for admission upon meeting transfer requirements and current certification from the National Board for Respiratory Care.

#### **Graduate outcomes**

Graduates of the program will:

- Demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their role as respiratory therapist.
- Demonstrate the technical proficiency in all skills necessary to fulfill the role as a respiratory therapist.
- Demonstrate personal behavior consistent with professional and employer expectations for the respiratory therapist.

#### Admission Criteria (Entry Level, Associate of Science in Respiratory Therapy)

Application for the entry-level program should be made directly to the Respiratory Therapy Department Office on the Missouri Southern State College campus (special admissions procedures are required for admittance into this program in addition to admission to MSSC).

- Continuous enrollment, readmission or admission to Missouri Southern and Franklin Technology Center as a transfer student.
- Completion of an approved college level math course.
- Provide documentation of computer literacy.
- Minimum percentile score on the Health Occupations Entrance Test administered by the Department.

Admission to the program is competitive. Applicants who meet all admission criteria, have completed math and biology courses, and/or have healthcare experience will be given preference in admission.

## Respiratory Therapy / 217

#### **Admission Criteria** (Upper Division, Advanced Level Program)

- 1. Graduation from an Associate of Science degree entry-level program accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP) for entry level respiratory care or graduate from a certificate entry level program who concurrently completes the Associate of Science degree with the advanced level curriculum.
- 2. Continuous enrollment, readmission or admission to Missouri Southern as a transfer student.
- 3. Preference given to persons currently holding certification from the National Board for Respiratory Care, Inc. and/or a graduate of Missouri Southern's entry-level respiratory therapy program.

### **Entry-Level Associate of** Science in Respiratory Therapy

Major code 5600

	Associate	9	
		uirements	25
		ry Therapy	
		uirements	39
	Resp 101	. , , , ,	_
	D	Foundations	3
	Resp 102	, , , , , , , , , , , , , , , , , , , ,	3
	Resp 105	Cardiopulmonary Anatomy	_
,	-	& Physiology	3
	Resp 107	Respiratory Therapy	_
		Procedures	3
	Resp 108	Respiratory Procedures	
1	D 400	Lab	3
	Resp 120	Cardiopulmonary	
	D 405	Pathology	3
	Resp 125	Respiratory Therapy	
	D 100	Clinical I	3
	Resp 129	Cardiopulmonary	0
,	Dans 000	Pharmacology	3
	Resp 222	Introduction to	4
	Dan 000	Mechanical Ventilation	4
	Resp 226	Cardiopulmonary	3
	Doon 000	Diagnostic Thereny	3
	Resp 239	Respiratory Therapy Clinical II	5
	Resp 311	Neonatal/Pediatric Care	3
	CORE	[Bio 121 Human Anatomy	3
	COME	& Physiology I]	4
	CORE	[Math 030 or higher]	3
	Total	[Math 600 of Higher]	64
			34

#### Advanced Level, Upper Division Certificate in Respiratory Therapy

Associate	of Science in Respirator	У
Therapy (	entry-level program)	64
Respirato	ry Therapy	
Major F	Requirements	18
Resp 307	Cardiopulmonary	
	Assessment	6
Resp 312	Mechanical Ventilation	3
Resp 313	Alternate Site Respiratory	
	Care (WI)	3
Resp 340	Advanced Level Clinical	
	Practice	5
Resp 341	Research Issues, Methods	1
Total		82

#### Suggested Order of Study

#### Associated of Science Degree Major code 5600 Respiratory Therapy (Entry-level)

Prerequisite		
Math 030	Intermed Algebra or Higher	
CORE*	[Eng 101 English Comp] WI	

Respiratory Therapy Orientation

Freshman Vear

CORE\*

CORE\*

Resp 222

i icaiiiiaii i	cai	
(Missouri Sou	uthern/Franklin Technology Ce	enter)
Fall Semeste	r	
CORE	[Hum Anatomy/Physiology I]	4
CORE*	[Comm 100 Oral Comm]	3
Resp 101	Resp Therapy Foundations	3
Resp 102	Cardiopulmonary Sciences	3

Resp 102	Cardiopulmonary Sciences	3
Resp 107	Resp Ther Procedures	3
Resp 108	Resp Ther Procedures Lab	3
		19
Spring Seme	ester	
CORE*	[Humanities and Fine Arts]	3
CORE*	[Kine 101 Physical Activity]	1
Resp 105	Cardio Anatomy & Phys	3
Resp 120	Cardiopulmonary Pathology	3

Resp 125	Clinical Resp Therapy Exp	13
Resp 129	Cardio Pharmacology	3
		16
Summer S	Semester	
CORE*	Psy 100 or Soc 100	3

		-
Sophomore Year		
(Missouri Southern/Franklin	Technology	Cente
Fall Semester		

Hist 110 or Hist 120

Intro to Mech Ventilation

Kine 103 Lifetime Wellness

Resp 226 Resp 239 Resp 311	Cardio Diagnostics 3 Clinical Resp Therapy Exp II 5 Neonate/Pediatric Resp Care 3	
	18	
		c

[Entry Level Program

Department Recommendations]

\*Identified Core courses may not necessarily be taken in this order, however all Major courses must be taken in sequence and in the order presented in this catalog. Associate of science degree students must meet the Missouri Constitution Requirement by completing PSc 120 or the Missouri Constitution Test.

#### Suggested Order of Study

#### Advanced-Level

Junior Year (Missouri Southern State College) **Spring Semester** 

nesp 307	Cardiopulmonary	
	Assessment	6
Resp 312	Mechanical Ventilation	3
Resp 313	Alternate Site Resp Care (W)	) 3

#### Summer Semester

3

2

3

4

(Missouri Se	outhern State College)		
Resp 340	Advanced Level Respirator	У	
	Therapy Clinical Experienc	e 5	
Resp 341	Research Issues, Methods	&	
Pro	blems in Respiratory Care	1	
Advanced L	evel .	18	
Entry level a	and Advanced Level Major		82

[Advanced Level Program Department Recommendations]

These graduates must have passed the National Board for Respiratory Care certification examination prior to earning an advanced level certificate in respiratory therapy from Missouri Southern State College. The entry-level core, of students entering the advanced level curriculum, should include Fundamentals of Physical Science or Introduction to Chemistry, Intermediate Algebra, Introduction to Computers and a total of seven semester credits of Human Anatomy and Physiology I and Cardiopulmonary Anatomy and Physiology.

For additional information contact: Glenda Pippin, Director Consortium for Respiratory Therapy Education Justice Center, MSSC Campus 3950 East Newman Road Joplin MO 64801 Phone: 417.659.4405 Fax: 417.659.4408

E-mail: pippin-g@mail.mssc.edu

## **Course Descriptions**

Resp 101 (F) 3 hrs. cr. **Respiratory Therapy Foundations** 

Entry level information is presented regarding respiratory therapy history from its conception to its current goals and standing. Topics covered include medical terminology, hospital and respiratory therapy department structure and management, psychosocial aspects of patient care, and medical ethics. A clinical session, allows the student an orientation rotation at the program's clinical sites. Prerequisite: Admission to the respiratory therapy program and completion of a College Level Math course.

3 hrs. cr. Resp 102 (F) Cardiopulmonary Sciences

Focuses on the sciences used in the practice of respiratory therapy. Emphasis will be placed upon physics, chemistry, and microbiology as related to the cardiopulmonary sciences. Prerequisite: Admission to the respiratory therapy program.

Resp 105 (S) 3 hrs. cr.

Cardiopulmonary Anatomy and Physiology

An in-depth presentation of the cardiopulmonary system, its abnormalities and corrective techniques as related to respiratory therapy. Included are the concepts of the cardiovascular system, ventilation, diffusion of pulmonary gases, hemodynamic measurements, ventilation perfusion relationships, oxygen and carbon dioxide transport, acid base balance and arterial blood gas analysis. Prerequisite: Admission to the respiratory therapy program, college level math course and completion of Bio 121.

Resp 107 (F) 3 hrs. cr. **Respiratory Therapy Procedures** 

Theory and practice of basic respiratory therapy procedures as outlined in the National Board for Respiratory Care (NBRC) entry level examination content outline. Including cardiopulmonary assessment, medical gas administration, oxygen therapy, infection control, equipment maintenance, chest physiotherapy, chest expansion therapy, airway management, bedside pulmonary function testing, arterial puncture and administering medicated aerosol therapy. Prerequisites: Admission to the respiratory therapy program and concurrent enrollment or completion of the Respiratory Therapy Procedures Laboratory course.

Resp 108 (F) 3 hrs. cr. **Respiratory Therapy Procedures** 

Laboratory

Students practice entry level respiratory care procedures, using state-of-the-art equipment, in the clinical laboratory under simulated patient situations. The student will address the three difficulty levels of learning, in the laboratory environment (Recall, Application, and Analysis). Prerequisites: Admission to the respiratory therapy program and concurrent enrollment or completion of Resp 107.

Resp 120 (S) Cardiopulmonary Pathology

Study of concepts and theory of selected cardiopulmonary diseases, to include: definition, clinical manifestations, etiology, pathologic, radiological and laboratory findings; prevention, prognosis and treatment. Prerequisite: Admission to the respiratory therapy program and completion of Bio 121.

Resp 125 (S) 3 hrs. cr. **Clinical Respiratory Therapy** Experience I

Clinical instruction supplemented by clinical conferences that allow the student to apply the classroom and laboratory respiratory therapy competencies mastered in specific respiratory therapy courses. Prerequisites: Resp 107 & Resp 108.

Resp 129 (S) Cardiopulmonary Pharmacology

Comprehensive overview of the general principles of pharmacology. Focuses on the drugs and drug groups that are either administered by respiratory therapy personnel, or those that play a role in the care of cardiopulmonary patients. Prerequisite: Bio 121 and admission to the respiratory therapy program.

4 hrs. cr. Resp 222 (F) Introduction to Mechanical Ventilation (Life Support Technology)

Emphasis on the technical components of mechanical ventilators, their classification, principles of operation, attachments, and the flow/pressure/ volume curves generated by various ventilators, compliance and resistance. An introduction to the management of patients receiving mechanical ventilation will be presented. Prerequisite: Admission to the respiratory therapy program.

Resp 226 (F) 3 hrs. cr. **Cardiopulmonary Diagnostics** 

Theory, application and equipment for diagnosing respiratory pathologies through the diagnostic concepts used in respiratory therapy. Include techniques utilized for measurement of lung gas volumes, capacities, flows, and cardiopulmonary status during exercise testing. Prerequisite: Admission to the respiratory therapy program.

Resp 239 (F)

Resp 125.

Clinical and Laboratory Experience II Clinical instruction supplemented by clinical conferences that allow the student to apply the knowledge and respiratory care skills mastered in the Respiratory Care courses; Cardiopulmonary Diagnostics, Introduction to Mechanical Ventilation, and Neonatal and Pediatric Respiratory care in the laboratory and clinical setting. The course will emphasize ventilator care, diagnostic procedures, and alternate site care (home care). Prerequisite:

5 hrs. cr.

Resp 307 (F, S) Cardiopulmonary Assessment

A systematic approach to advanced cardiopulmonary patient assessment. Emphasis is on evaluation of the respiratory care plan based upon laboratory data, electrocardiogram interpretation, fluid and electrolyte balance, acid base balance and oxygen transport, pulmonary function testing, exercise testing, interpretation of chest x-rays, bronchoscopy, and hemodynamic monitoring. Prerequisite: Admission to the advanced level respiratory therapy program. Graduates of an advanced level respiratory therapy program may use this course as a review for their national board examinations.

3 hrs. cr. Resp 311 (F) **Neonatal and Pediatric Respiratory Care** Respiratory care of the neonatal and pediatric population beginning with fetal development and continuing through assessments of infants including, gestational age, APGAR scoring and Silverman scoring. Various heart/lung deficiencies will also be discussed as well as treatment modalities. Prerequisite: Admission to the respi-

Resp 312 (F, S) **Advanced Mechanical Ventilation** (Advanced Life Support)

ratory therapy program.

A continuation of the Introduction to Mechanical Ventilation (Life Support Technology) course. In-depth study of ventilator management in critical care, long-term care, and the home environment utilizing case studies and clinical problem based learning sessions. In addition the course addresses ACLS (Advanced Cardiac Life Support). Prerequisite: Resp 222 and admission to advanced level respiratory therapy program.

Resp 313 (F, S) 3 hrs. cr.

**Alternate Site Respiratory** 

Care (Writing Intensive) Theoretical aspects of providing respiratory therapy at alternate sites. Includes components of home respiratory therapy, extended care units, long term care facilities, ventilator rehabilitation centers, physician offices, land/air transport, outpatient diagnostic clinics. Introduces the fundamentals of teaching and learning theories. Prerequisite: Admission to the advanced level respiratory therapy program.

## Respiratory Therapy / 219

Resp 340 (F, S, Summer)

5 hrs. cr.

#### Advanced Level Respiratory Therapy Clinical Experience

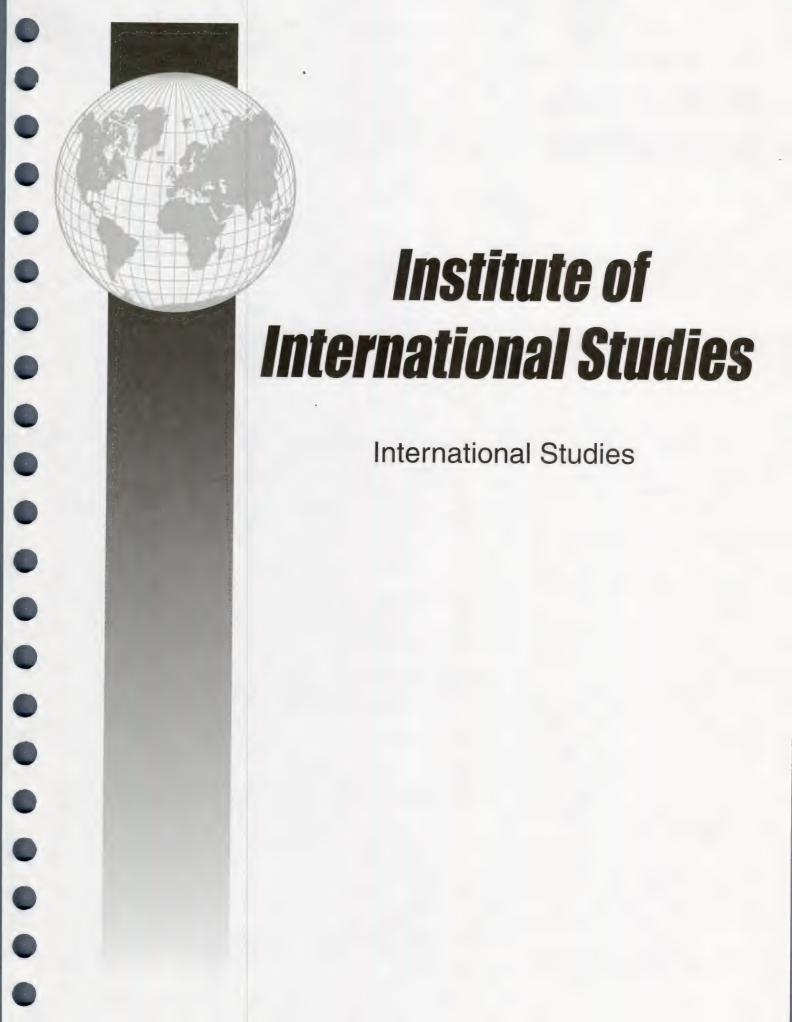
Progressive process of developing cognitive levels at the recall, application, and analysis levels as a respiratory care practitioner. Correlates directly with the Advanced Mechanical Ventilation (Advanced Life Support) course, Cardiopulmonary Assessment, Neonate/Pediatric, and the Alternate Site (Management/Pulmonary Rehabilitation/Home Care) courses, to provide the student a clinical environment to demonstrate these learned advanced level respiratory care competencies. Prerequisite: Admission to the advanced level respiratory therapy program and concurrent enrollment or completion of the advanced level theory coursework.

Resp 341 (F, S, Summer)

1 hr. cr.

## Research Issues, Methods and Problems in Respiratory Care

Directed research and discussion in selected areas of respiratory care for advanced level respiratory therapist. Course work includes independent literature search under the supervision of a respiratory care instructor that utilizes the student's program acquired respiratory care critical thinking, writing, and oral presentation skills. Research scope, depth, and area of concentration to be approved by the program director. Prerequisite: Students must be in their final semester of the advanced level program to enroll in this course.



## 222 / International Studies

# International Studies

Webster Hall 337, 417.659.4442

Faculty C. Stebbins - Director

#### Objective

It is the goal of Missouri Southern State College that all academic programs be enhanced through an emphasis on international education. To that end, the College has identified five objectives:

- Graduates will have an understanding of how cultures and societies around the world are formed, sustained, and evolve.
- Graduates will have empathy for the values and perspectives of cultures other than their own and an awareness of international and multicultural influences in their own lives.
- Graduates can identify and discuss international issues and cultures other than their own.
- 4. Graduates have communicative competence in a second or third language.
- Graduates have experienced or desire to experience a culture other than their own

Several activities have been designed and implemented to help make these objectives possible. They include encouraging and supporting faculty to lead student groups abroad; providing grants for faculty to internationalize the curriculum; developing bilateral exchange agreements with universities in other countries; developing "themed" semesters featuring special course offerings, lectures, and cultural events of a particular continent or country; increasing the number of foreign language course sections and course offerings; and increasing the number of Performing Aid Awards for students majoring or minoring in a foreign language.

The Institute of International Studies, moreover, is committed, through its leadership, in assisting global education to become more pervasive throughout the curriculum and extracurricular activities of the College.

Finally, the Institute is committed to continual assessment of international programs

and its mission to ensure that students develop not only an awareness of international problems but specific competencies needed in business, industry, government, education, and the professions.

#### **Study Abroad Programs**

(Semester and Year-Long Opportunities) Kimberly S. Gray Webster Hall 337B, 417.625.9838

Missouri Southern students have many exciting opportunities to study for a semester or year in other countries. The College is a member of the International Student Exchange Program (ISEP), through which MSSC students can study and earn credit at more than 100 colleges and universities in 33 countries around the world. In addition, students may choose to participate in the Bilateral Exchange Program. The College has negotiated a number of departmental bilateral agreements with international institutions; these exchanges are usually specific to a student's major. For semester or year-long exchanges, MSSC students studying abroad through ISEP or most Bilateral Exchange programs pay regular MSSC tuition and room/board fees in U.S. currency and financial aid is applicable.

To participate in a long-term study abroad program, students must have a minimum GPA of 2.75 (higher for some host institutions); be degree seeking and enrolled full time; intend to return to MSSC to graduate; and generally have completed 60 credit hours by the time of the exchange.

More information on study abroad programs is available on the Institute of International Studies' web page: <a href="https://www.mssc.edu/international">www.mssc.edu/international</a>.

#### The Major

Today one must cope with a growing array of complex global issues which are, at their core, as former U.S. Senator William Fulbright once said, human problems not technological ones. Because of that, international studies must center on constructive interaction with people from cultures and countries other than the students' own. The Institute of International Studies provides courses, coordinates international enhancement of existing courses, supports development of new international courses, and promotes study, work, and travel abroad by students and faculty. Integrating lan-

guage and cross cultural studies with disciplines and specific areas of concern, the Institute offers both a major and minor in international studies, further emphasizing the importance of such inquiry in the students' future world. The major in international studies is committed to the development by students of high intellectual standards, concern for the whole person, and practical cross-cultural and professional skills to enable them to embark upon immediate employment or graduate study.

It is the goal of the major in International Studies that students who complete the program shall:

- Demonstrate communication skills in a language other than their own at a proficiency beyond the intermediate level of study.
- Analyze a variety of problems of international significance, selecting or creating possible solutions, and defining possible means of implementation.
- Compare values of one culture with those of another, demonstrating how values develop and analyzing how cultural values impact on decisions of international importance.
- 4. Analyze the impact of social institutions in their own culture as well as in another, demonstrating an understanding of individuals' roles in these systems, be they governmental, economic, religious, family, or occupational.
- Identify activities and products which constitute the scientific/technological aspects of a culture other than their own, demonstrating an understanding of the impact of such activities and products on the individuals and the physical environment in a culture.
- Identify those activities and products which constitute the artistic aspects of a culture other than their own; understand the impact which art, in its various forms, has on individuals in a culture; and analyze the uses of works of art within that culture.

International Studies as defined by the Institute of International Studies allow as many disciplines as possible to become involved in the internationalizing of the College. The International Studies major and minor is an interdepartmental degree program admin-

## International Studies / 223

istered by the Institute of International Studies. The program offers students an opportunity to enhance their understanding of the diverse cultures of the world and provides a substantial foundation for professional careers in diplomacy, law, education, international business and commerce, journalism. the military, research, public health, human service organizations, and much more. Opportunities in most of these professions are available in both the public and private sectors in the United States and abroad. The major is also a good foundation for graduate study in such diverse areas as international law, business, history, political science, foreign languages, anthropology, as well as international relations, intercultural communication, peace studies, and other interdisciplinary programs.

# The Bachelor of Arts Degree with a Major in International Studies

Semester Hours

Core Requirements (p. 33) 48\*
Foreign Language 12
(4 courses in one foreign language are required for the B.A. degree.)
International Studies Requirements:

			46-50	)
	IntS 201	Introduction to		
,		International Studies	3	
	IntS 301	World Humanities	3	
	IntS 302	World Environmental		
		Issues	3	
	IntS 303	Contemporary World		
		Civilizations	3	
	IntS 304	Comparative Political		
		Economy	3	
	IntS 305	International		
	1 .0	Techno-Trends**	3	
,	IntS 400	Senior Thesis in		
	0	International Studies	3	
		g Requirements:	0	
,	Foreign La		6	
		al hours in the foreign used to satisfy the B.A.		
	requiremen			
}		riate research methods		
		specific discipline must	he	
		consultation with the	DC	
	student's a		1-5	
	Electives in	approved international		
	courses		18	
	<b>Electives</b>		14-18	
			124***	

\*Three hours of foreign language meet core

\*\*Meets computer literacy requirement.

requirements.

\*\*\*Must include at least 40 upper-division (300-400 level) hours.

## The Minor in International Studies

Semester Hours

3

6

6

21

IntS 201	Introduction to International Studies	
At least tv	vo of the following:	
IntS 301	World Humanities	3
IntS 302	World Environmental	
	Issues	3
IntS 303	Contemporary World	
	Civilizations	3
IntS 304	Comparative Political	
	Economy	3
IntS 305	International	
	Techno-Trends	3

Six additional hours which can be selected from IntS designated courses and from IntS 301, 302, 303, 304, 305 or IntS 400, Senior Thesis in International Studies.
(Three hours could include a study-abroad experience.)
Foreign Language (six hours beyond the B.A. requirement of 12 hours, all in the same language.)

#### Suggested Order of Study

#### Bachelor of Arts Major Code 4900 International Studies Major

Freshman Year 1st Semester

and Competer

Course	H	Hours
CORE	[Eng 101 Comp 1]	3
CORE	[Math 110 Intro to Col Math	13
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Foreign Lang	luage	3
Elective	[Hist 130 World Civilization]	3
Psy 120	College Orientation	1
•	3	17

Zilu Seille	Ster	
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Lo	c]3
CORE	[Art/Mus/Th 110 Appreciatio	n]3
CORE	[Kine 160 Lifetime Wellness	] 2
Foreign La	nguage	3
Elective	[Hist 140 World Civilization]	3

Sophomore Year	
1st Semester	

CORE	[Hist 110 U.S. History]		3
CORE	[Phys 100 Fund of Phys	Scil	5
Foreign Lang		-	3
IntS 201	Intro to Int'l Studies		3
CORE	[Econ 201 Prin of Econ]		3
		1	7

#### 2nd Semester

-110 001110010	21	
CORE	[Bio 101 General Biology]	4
Foreign Lang	juage	3
IntS 304	Comp Political Economy	3
CORE	[Eng 261 Mstrpces of Wld Lit]	3
Elective	[Geog 211 Regions/Nations]	3
		_

#### **Junior Year**

1st Semeste	r	
CORE	[Hist 120/320 U.S. History]	3
Foreign Lang	guage	3
IntS 301	World Humanities	3
CORE	[Eng 262 Mstrpces of Wld Lit	13
Elective	[Comm 305 Intercul Comm]	3

Contemporary World Civ

18

9

#### 2nd Semester

IntS 303

Elia Collicott	,1	
CORE	[Psy 100/Soc 110]	3
Foreign Lang	juage	3
IntS 302	World Environmental Issues	3
Electives		6
		- 00

#### Senior Year 1st Semester

Electives

IntS 305	International Techno-Tre	nds 3
Research N	Methods Course	1-5
Electives		7-11
		12
2nd Semes	ter	
IntS 400	Sr Thesis in Int'l Studies	3

#### [Department Recommendations]

For additional information contact:
Dr. Chad Stebbins
Director, Institute of International Studies
Office: Webster Hall 337
Phone: 417-659-4442

E-mail: stebbins-c@mail.mssc.edu

## 224 / International Studies

## Course Descriptions

IntS 201 (F)

3 hrs. cr.

#### Introduction to International Studies

An introduction to the interdisciplinary study of global issues. The student will receive a variety of ideas, insights, and images of the world, and will discuss a number of topics including methodologies of global studies and career options. Required of international studies majors and minors, open to all others.

IntS 298 (Demand)

3 hrs. cr.

#### Selected Topics in International Studies

Topics not normally included in another course. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 301 (F)

3 hrs. cr.

#### **World Humanities**

Transcultural study of the manifestations of the major art forms of the humanities: literature, theatre and film, painting and sculpture, music and dance. The course will stress critical exploration of the relation of the art forms to the cultures from which they emerge and comparative study of the nature and function of the art forms in traditions temporally or spatially distinct from each other, including western and eastern traditions. Required of international studies majors; open to all others. Prerequisite: 3 cr. hrs. from among Core Curriculum humanities courses.

IntS 302 (S)

3 hrs. cr.

#### **World Environmental Issues**

A global survey of the environmental disasters, both natural and man-made, that plague the world community, including earthquakes, volcanoes, floods, avalanches, atmospheric phenomena, climate modification, radiation, destruction of tropical rainforests, declining biodiversity, resource depletion, stratospheric ozone depletion, urbanization and overpopulation; discussion of global carrying capacity and limits to growth; analysis of "sustainable" global communities; an overview of global responses to environmental issues through economic policies, the United Nations, international treaties, and the "Green" political movement; and critical review of the various philosophies which underpin contemporary evaluations of the condition of the environment. Required of international studies majors; open to all others. Prerequisite: Physics 100 and Biology 101.

IntS 303 (F)

3 hrs. cr.

#### **Contemporary World Civilizations**

A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of international studies majors; open to all others. Prerequisite: 3 hours of history.

IntS 304 (S)

3 hrs. cr.

#### **Comparative Political Economy**

Comparative study of alternative methods of solving the political and economic problems of production, distribution and allocation. Required of international studies majors, open to all others. Prerequisite: 3 hours of economics.

IntS 305 (F)

3 hrs. cr.

#### International Techno-Trends

A systematic and comparative view of the historical, cultural, environmental, ethical, economic, legal and political factors that have influenced issues and trends in technology. Issues related to international communications, criminal justice, health and manufacturing will be explored. Required of international studies majors; open to all others. Prerequisite: English 102 and Junior Standing.

IntS 400 (F, S)

3 hrs cr.

#### Senior Thesis in International Studies

(Writing Intensive)

With a faculty supervisor the student will explore and challenge a topic of global concern and produce a senior thesis and make an oral presentation. Required of all international studies majors. Prerequisite: Senior standing, permission of the director of the Institute of International Studies and an appropriate course in research techniques chosen in consultation with the student's adviser.

IntS 498 (Demand)

3 hrs. cr.

#### Special Topics in International Studies

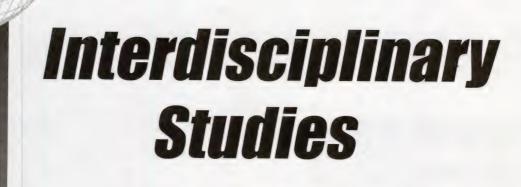
For upper-division students. Topic to be announced each time the course is offered. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

ntS 499

1-3 hrs. cr.

#### Independent Study in International Studies

An independent course structured by the adviser with approval of the director of the Institute of International Studies. Prerequisite: Must have completed 90 hours with a cumulative grade point average of 3.0 and have completed a minimum of 15 hours of international studies courses. Project must be approved by adviser, by the course director, and by the director of the Institute of International Studies prior to enrollment.



**Ecolonomics** 

Honors Program

Multimedia

Pre-Law

# **Interdisciplinary Studies**

In today's complex environment the lines between disciplines are becoming blurred. The solution to problems and the jobs that go with them will increasingly require the application of principles from a variety of disciplines. The goal of interdisciplinary study is to help students develop knowledge and skills outside the traditional disciplinary boundaries.

## **Ecolonomics**

#### Certificate Program in Ecolonomics

Sustainability refers to practices that maintain natural resources at least at their present level. Ecolonomics, a phrase coined by MSSC alumnus Dennis Weaver, is the promotion of sustainable alternatives that are economically profitable. The certificate program in Ecolonomics develops an understanding of these issues through the following courses:

Econ 180	The American	
	Economic System	
OR		
Econ 201	Principles of	
	Economics (Macro)	3
Bio/EH 312	<b>Environmental Biology</b>	
	(Writing Intensive)	4
Psc 421	Public Administration	3
Mids 402	Future Environments:	
	An Introduction to	
	Sustainability	3
		13

For additional information contact:

Dr. John Messick Office: Hearnes Hall 318

Phone: 417.625.9341

E-mail: messick-j@mail.mssc.edu

## **Course Descriptions**

MIDS 402 (Demand) 3 cr. hrs. Future Environments: An Introduction to Sustainability

This capstone to the Ecolonomics Certificate applies the principles of ecology, economics and public administration to sustainability, which is the discipline that promotes a quality life and sound economy in an environment that maintains natural resources. The course emphasizes practical applications. Prerequisites: Bio/EH312, Econ 180 or Econ 201, and PSc.

## **Honors Program**

The Honors Program at Missouri Southern State College is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. While students will take courses offered in Southern's regular curriculum, the following courses are specifically designed for Honors students. For a complete description of the program, please see pages 51-53.

#### MIDS 201 (F, S)

1 hr. cr.

Service Learning

By engaging the honors students as volunteers in unfamiliar institutions which are oriented toward public service, this experience is designed to lead the students through a critical analysis or the organization's culture and dominant paradigms of thought encountered during the time of service.

#### MIDS 298 (Demand)

1-4 hrs. cr.

Interdisciplinary Seminar

An interdisciplinary course. Topics will vary. Open to all students. 1-4 credit hours. Pre-requisites will vary according to topic. Enrollment with instructor's permission only.

#### MIDS 390 (F)

3 hrs. cr.

**Honors International Study** 

A directed reflective analysis of an international study experience in either a domestic or foreign culture wherein the honors student is engaged in service and/or learning which requires an understanding of the world views and principal paradigms which shape that culture. The course is designed to equip the student to articulate with maturity and sophistication the values of a service and/or learning experience in a foreign culture.

## MIDS 398 (Demand) Interdisciplinary Seminar

3 hrs. cr.

An interdisciplinary Honors course. Topics will vary. Open to juniors and seniors in the Honors Program and to others with a 3.5 GPA with instructor's permission. Required for juniors in the Honors Program. Prerequisites: Membership in the Honor's Program and completion of 60 or more credit hours or 3.5 GPA and instructor's permission.

## **Course Descriptions**

MIDS 101 (F,S)

1 hr. cr.

Honors Forum

An open forum to introduce Honor students to the principles and practice of scholarly inquiry and active learning. Students in small groups are responsible for the selection, design, research, and presentation of topics covering a range or a combination of disciplines. May be taken up to three times for credit.

## Multimedia

The minor in Multimedia is designed to allow students to gain the skills necessary for careers in a variety of occupations such as business communications, advertising, graphics and the arts, network communication systems, and business and media communication. Students will gain skills in software, multimedia design, programming, communication, marketing, and strategy development.

#### Minor in Multimedia Required: MM 415 Virtual Marketing 3 Comp 110 3 Programming I Art 101 Basic Design I 3 Intro to Human Comm Comm<sub>101</sub> 3 12 For Business emphasis + Choose two\*: MM 337 Mgmt Info Systems MM 401 **Promotional Mgmt** 3 MM 432 Consumer Behavior 3 For Technology emphasis + Choose two\*: **CIS 305** Microcomputer App I **CIS 310** Microcomputer App II CAMT 210 Computer Animation for Industry 3 For Art/Graphic Design emphasis + Choose two\*: Art 215 Computer Design I 3 Art 240 Typography and Lettering 3 Art 315 Computer Design II For Communication emphasis +

## Choose two\*: Comm 130 Intro to Broadcasting 3

Comm 200 Audio Production for Media 3
Comm 311 Intro to Public Relations 3
Comm 470 New Media Technology 3

#### Total for Minor (Multimedia)

\*Other courses may be substituted with permission of adviser.

## **Pre-Law**

Webster Hall 234, 417.625.9333

Faculty Advisers Scott, Tiede, Yates

There is no special course of study required for pre-law students at Southern. There is also no formal major in pre-law. However, the College offers a variety of activities such as Law School Admissions Test (LSAT) training sessions, field trips to law schools and on-campus visits by law school recruiters to help students prepare for and select a law school. Although there is no pre-law major at Southern, there are a variety of course offerings which would be helpful to a student desiring to enter law school. Courses which help develop skills in reading comprehension and analytical thinking are especially important. Courses which acquaint the student with legal vocabulary and "hypothetical" exam questions which are the staple of law school exams, may also be useful.

The curriculum for pre-law students should be jointly planned by the student and one of the pre-law advisers. The student may major in almost any discipline emphasizing development of the academic skills necessary to prepare the student for performing well on the LSAT and for the rigorous study required in law school. The major will also be determined by the student's general area of academic interest and by the type of law, such as government service, private practice, corporate law or criminal prosecution or defense which the student plans to practice.

For additional information contact: Dr. Trina Scott

Phone: 417.625.3143

E-mail: scott-t@mail.mssc.edu

Dr. John Tiede

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Phone: 417.625.9503

E-mail: tiede-j@mail.mssc.edu

Dr. Michael Yates Phone: 417.625.9333

E-mail: yates-m@mail.mssc.edu



# **College Organization**

Accreditations

Administration

**Applications** 

College History

**Disability Access** 

Faculty

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Memberships

**Policy Changes** 

Regents/Trustees

# **College History**

The citizens of Joplin, who in the late 1930s asked the public school district to offer college classes, could not have envisioned the sprawling campus and multidiscipline curriculum that today is Missouri Southern State College. From that initial request came Joplin Junior College, founded in 1937 as part of the Joplin school system. Nine faculty members and 114 students began classes under the auspices of the Extension Division of the University of Missouri in the new high school building.

In the spring of 1938, voters approved almost 5-to-1 a bond proposal that would assure the continuation of the junior college. During the next 25 years Joplin Junior College established a national reputation for outstanding academic strength, a strong foundation for what was to come. By the mid-1960s, area citizens again recognized the need for expanded educational opportunities.

In 1964, the citizens voted in an 8-1 majority to create the Junior College District of Jasper County with a Board of Trustees to govern the newly named Jasper County Junior College. The following year, the Missouri General Assembly established a two-year senior college to be funded by the state when facilities of the junior college became available. The district would continue to fund the freshman and sophomore years.

The area again responded with enthusiastic and generous support to fund the building of a new campus on the site of the Mission Hills Farm to house the growing college.

Administration and faculty, working with other college educators around the state, began developing the new curriculum. In August 1967, students gathered for the first time on the new campus of Missouri Southern State College.

The dual funding arrangement with the state continued until 1977 when on July 1 the State of Missouri officially took on the responsibility of funding the entire College.

With growing global interdependence, it became clear that Missouri Southern must prepare its students to function successfully in the emerging global economy. So in June 1990, plans were announced to pursue the expansion of the College's mission to incorporate an international emphasis in all its academic and special programs. In 1995, the Missouri General Assembly approved House Bill 442, directing the institution to "develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." The following year the Legislature began phasing in increased appropriations to help Missouri Southern make the global mission a reality. Many new programs in international education that enrich and complement the existing programs are now in place.

Today Missouri Southern State College remains a proud member of the state's higher education family while continuing to serve the region that is an integral part of its past.

#### **Board of Regents**

Loretta M. Coburn	2002
Glenn D. Wilson	2003
Charles C. McGinty	2004
Stephen P. Carlton	2005
Elizabeth A. Deffenbaugh	2006
Douglas A. Brooks	2007

#### **Board of Trustees**

Donald R. Patterson Jerry E. Wells

#### Memberships

Teacher Education Council of State Colleges and Universities

American Association of State Colleges and Universities American Association of Colleges for Teacher Education Association of Collegiate Business Schools and Programs North Central Association

Council for the Advancement and Support of Education American Assembly of Collegiate Schools of Business National League for Nursing Baccalaureate and Higher Degree Programs

American Association of Colleges of Nursing

#### **Accreditations and Approvals**

Accredited by The Higher Learning Commission and a member of the North Central Association, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504, Phone: 800-621-7440, Web Site: www.NCAcihe.org

National Council for the Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036, Phone: 202-466-7496

Missouri State Board of Nursing

Missouri State Department of Elementary and Secondary Education

Commission on Dental Accreditation, American Dental Association

National League of Nursing Accrediting Commission National Accrediting Agency for Clinical Laboratory Science

National Environmental Health Science and Protection Accreditation Council

Joint Review Committee on Education in Radiologic Technology

Committee on Accreditation for Respiratory Care Association of Collegiate Business Schools and Programs

Accreditation Board for Engineering and Technology Police Officers Standards and Training

Information concerning accreditation, including copies of pertinent documents, may be obtained from the Office of the Vice President for Academic Affairs

# **Administrative Staff**

President	Julio S. Laón
Vice President for Academic Affairs	Julio S. Leon
Vice President for Academic Atlants	. J. Larry Martin
Vice President for Business Affairs	Theresa A. Agee
Vice President for Lifelong Learning	. Jack G. Spurlin
Assistant Vice President for Academic Affairs	. Betsy Q. Griffin
Assistant Vice President for Assessment and Institutional Research	Delores A Honey
Assistant Vice President for Information Services	J. Steve Farney
Assistant Vice President and Dean of Students	also M. Correber
Nosistant vice i resident and Dean of Students	gias M. Carnanan
Deep Cahastaf Arta and Cairman	
Dean, School of Arts and Sciences	John P. Messick
Dean, School of Business Administration	. James M. Gray
Assistant Dean, School of Business Administration	. Brad A. Kleindl
Dean, School of Education	Aichael J. Horvath
Assistant to the Dean, School of Education	ALR Cade
Dean, School of Technology	Tio M. Strait
Death, California Communicacy	Ha IVI. Strait
Head, Department of Art	Nicholas S Kylo
Head, Department of Biology	Scott I Malla
Head, Department of Communications and Foreign Languages	Scott J. Wells
Head, Department of Communications and Foreign Languages	Jay H. Moorman
Head, Department of Computer Information Science	Jack L. Oakes
Head, Department of Criminal Justice	C. Blake Wolf
Head, Department of Dental Hygiene	A. Scorse DeTar
Head, Department of English and Philosophy	Dale W. Simpson
Head, Department of Kinesiology	Patsv K. Lipira
Head, Department of Mathematics	Juan I Vazguez
Head, Department of Music	Dhillin Wico
Head, Department of Nursing	Porboro I Pov
Head, Department of Physical Sciences	. Daibaia J. Dox
Head, Department of Physical Sciences	. Marion E. Sloan
Head, Department of Psychology	dolyn K. Murdock
Head Department of Social Science	
Head, Department of Social Science	Richard B. Miller
Head, Department of Teacher Education	Deborah Pulliam
Head, Department of Teacher Education	Deborah Pulliam
Head, Department of Teacher Education	Deborah Pulliam Jay E. Fields
Head, Department of Teacher Education  Head, Department of Theatre  Director of Alumni Affairs	Deborah Pulliam Jay E. Fields Lee E. Pound
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs  Director of Athletics	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs  Director of Athletics	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs  Director of Athletics  Director of Budgeting and Operations	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs  Director of Athletics  Director of Budgeting and Operations  Director of Campus Recreation and Wellness	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs  Director of Athletics  Director of Budgeting and Operations  Director of Campus Recreation and Wellness  Director of Career Services	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley Patricia P. Kluthe
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Housing	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley Patricia P. Kluthe Debra A. Gipson
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Housing Director of Human Resources Debo	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley Patricia P. Kluthe Debra A. Gipson orah Dutch Kelley
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Housing Director of Human Resources Director of Institute for International Studies	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley Patricia P. Kluthe Debra A. Gipson orah Dutch Kelley Chad D. Stebbins
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Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Human Resources Director of Institute for International Studies Director of International Language Resource Center Director of Learning Center	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley Patricia P. Kluthe Debra A. Gipson orah Dutch Kelley Chad D. Stebbins na V. Karmanova Eillen A. Godsey
Head, Department of Teacher Education Head, Department of Theatre  Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Human Resources Director of Institute for International Studies Director of International Language Resource Center Director of Learning Center Director of Lifelong Learning	Deborah Pulliam Jay E. Fields Lee E. Pound Sallie L. Beard Jeff L. Gibson arren S. Fullerton Patricia Hurley Derek S. Skaggs W. Janice Dipley Patricia P. Kluthe Debra A. Gipson orah Dutch Kelley Chad D. Stebbins na V. Karmanova Eillen A. Godsey R. Jerry Williams
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Bachelor's (B.A.), Missouri Southern State

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Bachelor's (B.A.), Abilene Christian University
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## 236 / Faculty

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## Faculty / 237

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Associate Professor, Mathematics 1968
Bachelor's (B.S.), Pittsburg State University
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## 238 / Faculty

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English 1966

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Head Librarian 1948

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Psychology 1963

#### Cleetis Headlee

English 1946

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Theatre 1964

#### **Richard Massa**

Communications 1972

#### Grace C. Mitchell

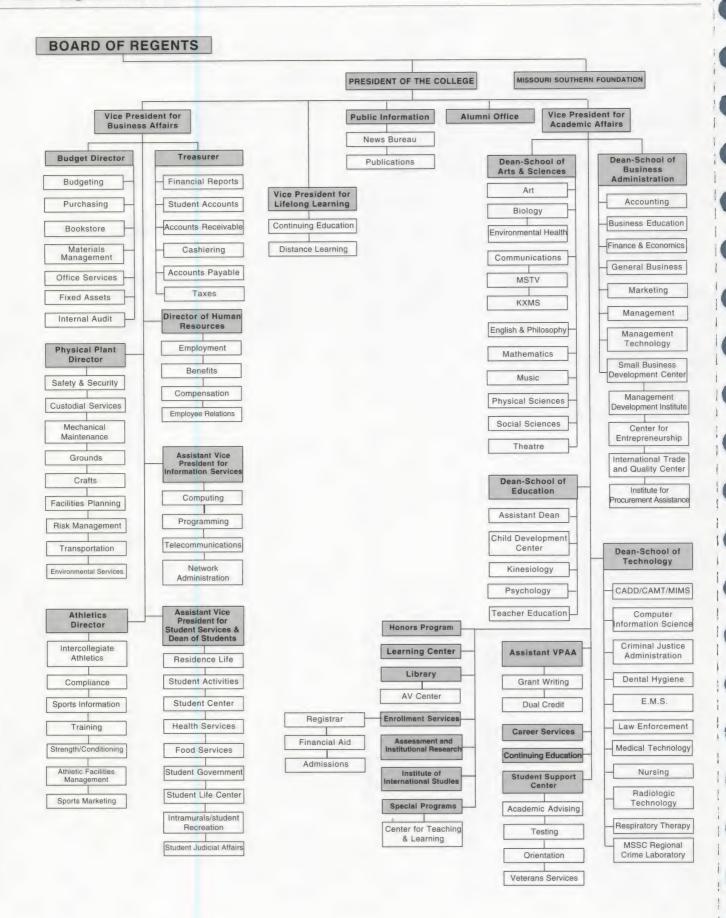
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#### **Gail Renner**

Social Science (History) 1965

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#### **Disability Access**

Missouri Southern State College reschedules and relocates classes to ensure accessibility under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If youare an individual with a disability and require a reasonable accommodation, please contact Melissa Locher, Coordinator of Disability Services in the Learning Center (417.625.9373).

In accordance with the policies and procedures that govern Missouri Southern as a whole, students and faculty members who feel that they have not been accorded their due rights are entitled to grieve the action or lack of action against them. Grievances that are related to an individual's disability, the services provided to him or her or the provision of these services should follow the procedure outlined in Procedure 9.01 when the circumstances relate to academic issues. All other issues (i.e. housing, sporting events, facility access, etc.) should follow the grievance procedures outlined in Procedure 9.02. Information about these procedures is available from the Coordinator of Disability Services, the Dean of Students, or the Vice President for Academic Affairs.

#### Family Educational Rights and Privacy

The College may disclose personally identifiable information from an educational record of a student without consent in following situations:

- 1. The disclosure is directory information which includes name, address, telephone listing, date and place of birth, major, participation in activities and sports, dates of attendance, degrees and awards received and most recent previous institution attended.
- 2. The disclosure is to school officials, including teachers, who have a legitimate education interest.
- 3. The disclosure is to parents of a dependent student as defined in the Internal Revenue Code.
- 4. The disclosure is in connection with a health or safety emergency.
- 5. Other situations listed in 34CFR 99.31.

#### **Policy Changes**

The College reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the College. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

## Missouri Southern State College Honors Program Application

March 1: Deadline for Fall Honors applicants November 15: Deadline for Spring Honors applicants

Miss Ms. Mrs.		
Name Mr.		Date of Birth
Last	First	Initial
Social Security No:		Telephone No: ()
Address:		E-mail Address:
Street	City Stat	e Zip
Highest ACT Composite Sco	ore:	Please list awards, extracurricular activities, and inte
Test Date:		ests below. Attach a separate sheet if necessary.
If not, please contact the Ad 417.782.6772 and request a admission at once or obtain on-line at <u>www.mssc.edu</u>	an application for	
Anticipated Enrollment Date	Semester/Year	
Have you applied for financi If not, please consider doing on-line at <a href="https://www.fafsa.ed.gov">www.fafsa.ed.gov</a> Financial Aid Office at 417.6	so. You can apply or contact the	
High School GPA:		
Year of Graduation:		
Class Standing:/		
Potential Major:		
Check below if one applie	s.	
☐ National Merit Finalist		For already enrolled or transfer students:
☐ National Merit Semi-Final	list	For aiready enrolled or transfer students.
☐ National Merit Letter of C	ommendation	College or University Attended:
Please list the names of the ask for references.	two people you plan to	Hours Completed: GPA:
		Quarter System
Name	Title	Semester System

Applicant's signature

Date

## **INSTRUCTIONS**

#### REQUIREMENTS

For entering freshmen, an ACT composite score of 28 or above or a GPA of at least 3.5 (on a 4-point scale) is required for eligibility to apply for admission to the Honors Program.

Students who have completed at least 15 but fewer than 30 hours of coursework with at least a 3.5 GPA either at Missouri Southern State College or at another accredited college or university are eligible to apply for admission to the Honors Program.

#### **APPLICATIONS PROCEDURES**

#### **Incoming Freshman**

- \* A COMPLETED HONORS APPLICATION AND ADMISSION APPLICATION must be filed.
- \* Please request that an official high school TRANSCRIPT be sent directly to the Honors Program.
- \* Your **ACT RESULTS** must be on record, either separately or on your transcript.
- \* Arrange to have two LETTERS OF RECOMMENDATION sent directly to the Honors Program, one from your high school principal and one from one of your high school teachers. Additional letters are also invited.
- \* You need to arrange for an INTERVIEW.
- You may be required to submit an ESSAY describing your academic goals and explaining your participation in the Honors Program.

#### **Already Enrolled or Transfer Student**

- \* A COMPLETED HONORS APPLICATION AND ADMISSION APPLICATION must be filed.
- \* Please request that an official college **TRANSCRIPT** be sent directly to the Honors Program.
- \* Your **ACT RESULTS** must be on record, either separately or on your transcript.
- \* Arrange to have two **LETTERS OR RECOMMENDA- TION** from you college instructors sent directly to the
  Honors Program. Additional letters are also invited.
- \* You will need to arrange for an INTERVIEW.
- \* You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

In order to be considered for entrance into the program in the fall semester, all application requirements, including the interview should be completed by March 1; for the spring semester all requirements should be received by November 15.

#### Send all application materials to:

Honors Program Director Missouri Southern State College 3950 E. Newman Rd. Joplin, MO 64801-1595

Telephone: In Joplin 1-417-625-9300 or 625-3005 Toll-Free: 1-800-606-MSSC (6772)

Missouri Southern State College is an equal opportunity and affirmative action institution.

The college reserves the right to amend regulations when necessary.

For more information about the college visit our website

www.mssc.edu

## Patron's Scholarship Application

Please complete application on both sides and return to:

Missouri Southern State College Hearnes Hall, Scholarship Room 117C 3950 E. Newman Road Joplin, Missouri 64801-1595 417.625.3161

C	Office Use	
Code	GPA	
Scholarship		
Amount per year		
Fall	Spring	

Note: By filing this form you will be considered for any one of 200 Patron Scholarships available through the Missouri Southern State College Scholarship program.

How to apply: 1. Must apply or have applied for admission.

2. Transfer students must have transcripts on file with Registrar's Office.

3. You may apply on our web site at www.mssc.edu instead of using this form.

Name					
Last	First		Middle	Maide	n
Security Number			Phone .		
Address					
Male	Female	Married	Single	Tra	nsfer
Date of High School	Graduation		_ High School _		
City/State		Transfer	Anticipate s	emester to atten	d MSSC _
Entering Freshman	Freshman	n Sop	phomore	Junior	Senior
Major*			Minor		
*Current Students - I	Please be sure your	major is accurate	ely listed with the F	Registrar's Office	
Check criteria whic	h apply to you. (Th	nese are not the	only criteria cons	idered.)	
<ul> <li>Student Nurses' A</li> <li>Non-traditional students</li> <li>Beimdiek Insurance</li> <li>Son or daughter of</li> <li>Graduate - top hale</li> <li>Interested in technical</li> </ul>	ident ce employee f MSSC alumni If of class				

All qualified applicants will receive consideration without regard to non-merit factors: race, sex, creed or disability.

**Statement of certification:** If I am awarded a scholarship administered by Missouri Southern State College, I understand I must meet scholarship renewal criteria.

lonors President's				Junior College Transfer	
	Regents	_ Deans'	Performing Award	Athletic Diversit	ty
)ther					
re you currently employed	d? If yes	, list place of	employment		
f dependent) Father's emp	ployer				
f dependent) Mother's em	ployer				
f married) Spouse's emplo	oyer				
PLEASE COMPLETE THE	FOLLOWING:				
Scholastic honors:					
Activities and Organizati	ons:				
Volunteer Work:					
volunteer work:					
I further understan     March 1 for considers	nd that application	on to the sch	olarship program mus	t be turned in prior to	
2 Students may not	receive more that	an one schol	arship issued by the C	college.	atad
3. Scholarship recipi	ents may receiv	e athletic and	d performing awards wards w The performing awards wards	nich must be coordin	aleu
4. Scholarships are is	ssued for one a	cademic year	only. However, stude	nts must meet renewa	al
- distante ettentie ette	rst semester of t	he award.			
criteria after the fil		ange without	notice and are subject	t to review by the	
5 All scholarships a	re subject to cha	ange without	and authorization by th	a Roard of Pagente	
5 All scholarships a	re subject to cha nittee upon recei	pt of funds a	nd authorization by th	e Board of Regents.	

Date Signed \_

## Missouri Southern State College

Application for Admission • \$15.00 non-refundable fee (see College Catalog for Admission Requirements)

## PERSONAL INFORMATION

Last		First	Middle	Preferre	ed name	M	aiden/Former na
Social Security Numb	er				Sex:	☐ Male	☐ Female
Are you a veteran?	Yes □ No	Are you eligible	for Veterans	Educational Be	enefits?	Yes 🗆	i No
Date of Birth: Month	Day	Year	E-mail A	ddress			
Permanent mailing ad	dress:						
Street or Route		(	Dity		St	Zi	n
County		How long ha	ve you reside	d at the above	address?		Veare
If less than 1 year, indic	ate address	for past year.					years.
Telephone ()							
\/			(	)			
What is your racial back	Home Phone ground? (cir an or Pacific Is	cle) (Optional)	n Hispanio		rk Phone erican or Ala	iskan Nati	ve Othe
What is your racial back African American Asi Are you a U.S. Citizen?	ground? (cir an or Pacific Is	rcle) (Optional) lander Caucasian		Native Am	erican or Ala		ve Othe
What is your racial back African American Asi	ground? (cir an or Pacific Is	ccle) (Optional) lander Caucasian lo If no, what vis	a do you holo	Native Am	erican or Ala		
What is your racial back African American Asi Are you a U.S. Citizen? If no, country of birth	ground? (cir an or Pacific Is Yes N	rcle) (Optional)  lander Caucasian  lo If no, what visites  /es  \( \begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	a do you hold	Native Am	erican or Ala		
What is your racial back African American Asi  Are you a U.S. Citizen?  If no, country of birth s English your native lai	ground? (cir an or Pacific Is Yes N	rcle) (Optional)  lander Caucasian  lo If no, what visites  /es  \( \begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	a do you hold	Native Am	erican or Ala		
What is your racial back African American Asi  Are you a U.S. Citizen?  If no, country of birth s English your native land	ground? (cir an or Pacific Is Yes N nguage? Y	rcle) (Optional)  lander Caucasian  lo If no, what visit  fes  No If no,  alls? Yes No	indicate you	Native Am	erican or Ala	be sent	to you)
What is your racial back African American Asi Are you a U.S. Citizen? If no, country of birth s English your native lai Do you plan to live in the	ground? (cir an or Pacific Is Yes N nguage? Y	rcle) (Optional)  lander Caucasian  lo If no, what visites  /es  \( \begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	indicate your	Native Am	erican or Ala	be sent	to you)
What is your racial back African American Asi  Are you a U.S. Citizen?  If no, country of birth s English your native land Do you plan to live in the am applying as a  First Time Freshm	ground? (cir an or Pacific Is Yes N nguage? Y e residence h	rcle) (Optional)  lander Caucasian  lo If no, what visit  fes  No If no,  alls? Yes No  Post Graduate Stuc	indicate your  (If yes an applicate)	Native Am	erican or Ala age ousing will Student Student	be sent	

## ACADEMIC INFORMATION

vork completed during high school)	h school, college or university you have attended. (including college
	Sic manuating and
School Name	City State From To Graduation
School Name	City State From To Graduation
School Name	City State From To Graduation
School Name	City State From To Graduation
Are you currently on suspension from any co	ollege? □ Yes □ No
If yes, Name of college	Semester and year of suspension
	Measles? (2 doses) ☐ Yes ☐ No b. Rubella? ☐ Yes ☐ No d. Tuberculosis? ☐ Yes ☐ No
Have you ever been convicted of, or pleaded If yes, explain on a separate sheet of paper.	
Father/Guardian's Name	Employer
Phone Numbers ()()	Level of Education/College Attended
Mathania Nama	Employer
Phone Numbers ()	Level of Education/College Attended
List siblings and their ages(Inc	licate Relationship)
Please list relatives who are MSSC student	s or alumni(Indicate Relationship)
The following information is needed to provide Marital Status: ☐ Married ☐ Sin Children: Name	ide accurate information for immigration documents: gle Date of Birth Country of Birth
<del>qirtarasiiG</del> fi	If no, country <del>distributions</del> country of the count
Why did you choose to apply to MSSC?	Enquestryour native learning is 1. Vee - El No. It no. andicute your n
Who did you find most helpful in the MSSC	admission process?
in its educational programs or activities. For fur Services Coordinator at 417.625.9516.	iminate on the basis of sex, race, creed, color, national origin, disability, or ag ther information concerning disability accessibility, contact the Disability
I certify that the information provided is con	nplete and correct to the best of my knowledge, and that I have read
the admission and transcript requirements.	

## Missouri Southern State College Minimum Core Curriculum

Student Reporting Form - (Transfer and students over 21 do not need to complete this form.)

#### Meeting the Requirements

All high school graduates who graduated Spring 1996 or after must complete the following core requirements.

# COORDINATING BOARD FOR HIGHER EDUCATION MINIMUM CORE CURRICULUM REQUIREMENT

Subject	Minimum Core Curriculum	Comments about Minimum Core Curriculum Requirements
English	4	2 units must emphasize writing
Math	3	Algebra 1 and higher
Social Studies	3	must have American history and at least one semester of government.
Science	2	one must be a lab course
Visual/Performing Arts	1	
	3	Acceptable math elective:
Additional core electives from any of the above areas	2 years of a foreign language strongly recommended	computer science with prerequisite of Algebra 1; Social studies elective: State/international history

Please complete the chart below using your high school transcript and senior class schedule.

List the title of the course in the appropriate box.

Make a notation by any course that was taken as dual credit/college credit, honors (H), or advanced placement (AP). Transfer students do not need to complete this section.

Subject	9th Grade	10th Grade	11th Grade	12th Grade	Total
English 4 Units					
Mathematics 3 Units					
Social Studies 3 units					
Science 2 Units; 1 must be a lab course					
Visual/Performing Arts 1 Unit				1	
Core Electives /Foreign Language 3 Units					

Please print your name and social security number:

# **Residence Hall Information**

## On Campus residence requirements

All freshmen and sophomores under the age of 21 are required to live in Missouri Southern State College Residence Halls to the extent space is available, unless they are married, live with their parents or are excused by the Coordinator of Student Housing.

#### **General Information**

Missouri Southern houses over 700 students on campus. The two main residence halls are Blaine Hall (200 men) and McCormick Hall (100 women). Apartment-style units house an additional 350 students. Private rooms also available.

The rooms on campus are furnished with twin size extra long beds, bed pads, study carrels, desks, chairs, lamps, wastebaskets, mini blinds, night stands, and free local telephone service is provided along with voice mail and individual access codes. Students are required to bring sheets, pillow, blankets, and all personal belongings. The apartment units are also furnished with sofa, chair, lamps, coffee table, refrigerators and microwaves.

All residence hall facilities are air-conditioned. Cable TV, study lounges, recreational areas, IBM Personal Computers, vending machines, and laundry facilities are also included. The Residence Halls are staffed by three full-time professional Resident Directors who are assisted by a paraprofessional staff of 25 Staff Assistants.

Resident students are also entitled to food service. Twenty meals are served each week in the Student Center Cafeteria. Individual meals feature salad bar and unlimited servings, including entrees.

#### For additional information

Call:

Missouri Southern State College Residence Life Office (417) 625-9522 1-800-606-MSSC toll free

Missouri Southern State College Residence Life Office 3950 E. Newman Rd. Joplin MO 64801-1595

Name			Date	
(Last)	(First)	(Middle)		
Address		1011.1	(04-4-)	(Zin Codo)
(Street)		(City)	(State)	(Zip Code)
Telephone ()				
Detach and return this form to:	Residence 3950 E. Ne	outhern State College Life Office wman Road 64801-1595		
Semester entering MSSC Resid	dence Halls:	Fall	Spring	Year